COLON CLASSIFICATION

BY

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PART I Rules of Classification
PART II Schedules of Classification
PART III Index to the Schedules
PART IV Examples of Call Numbers

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To

My Beloved Professor

Edward B. Ross

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(SECOND EDITION)

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PREFACE

BY

THE MADRAS LIBRARY ASSOCIATION

WITH the object of spreading the essential ideas of Library Movement and of directing thought towards the creation of a library service suited to our country, the Madras Library Association inaugurated its Publication Series in 1929. The first volume, *The library movement* was by Divers Hands. The next six volumes were all by S. R. Ranganathan. As their titles show they dealt with technical and practical aspects of library work: *The five laws of library science*, 1931; *Colon classification*, 1933; *Classified catalogue code*, 1934; *Library administration*, 1935; *Prolegomena to library classification*, 1937; *Theory of library catalogue*, 1938. All these volumes have circulated well both in India and abroad.

As another instalment of this Publication Series the Association now publishes a second (*revised*) edition of the *Colon classification* the manuscript of which Mr. S. R. Ranganathan has been good enough to place at its disposal.

The fourth part of the book, which gives about 3,000 examples of Call Numbers, is a reprint of the Classified Part of the 1938 Supplement of the Catalogue of the Madras University Library. The Association is indebted to the Vice-Chancellor and the Syndicate of the University of Madras for permission to take reprints for issue as part of this publication.

The Association hopes that this volume will circulate as widely as its predecessors and that it will help libraries in India and elsewhere to organise their work in an efficient, scientific and serviceable way.

INTRODUCTION

TO THE FIRST EDITION

THE purpose of this book is neither to expound the general philosophy of classification nor to discuss the theories of book classification. Information on the former subject can be had in any good book on logic and on the latter in *The manual of classification* by W. C. Berwick Sayers (and in my *Prolegomena to library classification*). The aim of the book is to give a working manual for classifying books according to the scheme of classification which has been termed the " Colon Classification ".

The *Colon classification* differs from Dewey's *Decimal classification* and the volumes of *Congress classification* in some fundamental respects. It is their manifest aim to provide a ready-made Class Number for most topics. Hence, such manuals consist, for the most part, of the Schedules of Classification. And their Schedules are by several times larger than that of the *Colon classification.*

In the *Colon classification,* however, ready-made Class Numbers are not assigned to topics. The Schedule in the *Colon classification* may be said to consist of certain standard unit schedules. The standard unit schedules correspond to the standard pieces in a Meccano apparatus. Even a child knows, that, by combining these standard pieces in different ways, many different objects can be constructed. So also, by combining the classes in the different unit schedules in assigned permutations and combinations, the Class Numbers for all possible topics can be constructed. In this scheme, the function of the Colon (:) is like that of the bolts and nuts in a Meccano set. (*Vide* Fundamental constituent terms *vs.* derived composite terms in the *Prolegomena to library classification.* Pp. 135-139.)

A more detailed account of the part played by the symbol "colon" is given in Section 61 of Chapter 6 of Part I.

Certain other devices enumerated in Chapter 6 of Part I also act as connecting apparatus.

One natural result of this method of giving certain standard schedules, rather than ready-made Class Numbers for topics, is the extraordinary mnemonic quality that the Scheme has acquired. It has been felt in the libraries using this Scheme that, after a little experience, the need for looking into the

Schedule becomes increasingly small; and this is so even for specialised monographs requiring a long drawn out Class Number.

It has been found necessary to give, in addition to the unit schedules, a set of Rules for constructing the Class Numbers with the aid of the unit schedules. The spirit of standardisation has greatly simplified the Rules themselves. The first six chapters which occupy a third of the First Part bring together many of the general Rules and Devices and discuss them once for all; with the result that the chapters devoted to the classification of specific subjects gain considerably in brevity and clarity.

Another feature of this scheme is the very great minuteness of classification in most of the subjects. Even extremely specialised monographs get individualised in this scheme more easily than in other schemes. It is a matter of experience that such a detailed classification is quite necessary if all the resources of a library on every topic, however great its intension, are to be disclosed with the least expenditure of time.

In addition to the great minuteness of its classes, this scheme is much more hospitable than any other, owing chiefly to the Eight Devices explained in Chapter 6 of Part I. This can be experienced in the schedule of almost every subject.

Further, the notation being completely decimal, its elasticity is quite commensurate with the hospitality of the schedules. The length of notation is proportionate to the intension; thus the Call Number of a common text-book will be very short.

Topics in Indology have been worked out in far greater detail than in other schemes. Books on Indology are numerous not only in Indian libraries but also in many foreign libraries. The Indological schedules will also be of use in classifying Oriental Manuscript Libraries. It is hoped to include in the next edition similar detailed schedules for other oriental subjects as well.

This scheme has been in use in the Madras University Library for nearly ten (now sixteen) years and has behaved admirably, in spite of the large number of specialised books and monographs which the library possesses.

LENGTH OF NOTATION

An abnormally long class number given in the first edition to illustrate the extreme length to which it can go and lack of opportunity to apply the scheme to a varied collection appear to have misled some to believe that the Colon Notation is long. Pages 83-89 of the *Prolegomena to library classification* contain a systematic statistical analysis of this question. It is proved mathematically that the Colon Notation is distinctly shorter than the Decimal Notation whatever be the measure of length taken.

An important respect in which the Colon Classification differs from other schemes is its ideal to individualise every topic. This ideal it realises with a remarkably short notation.

A random selection of about 250 articles from the *Encyclopaedia Britannica* was used for practical work in classification in the last year's session of the School of Library Science of the University of Madras. The class numbers were worked out (1) to the maximum possible intension by Decimal Classification, (2) to the same degree of intension by Colon Classification and (3) to the maximum possible intension by Colon Classification, which resulted in exact individualisation in most cases.

Then the averages of the length of the notation were calculated. The result was as follows:

	Average number of digits in class number	
1.	Decimal (Maximum possible intension) ..	5·8
2.	Colon (Same intension as above) ..	5
3.	Colon (Maximum possible intension, resulting in individualisation of topics) ..	6·5
4.	Decimal (Individualisation of topics not possible).	

Should individualisation of topics be aimed at or should it be sacrificed to keep the notation within "economic limits"?

Bliss stands for the latter. Many of his criticisms of the Colon Classification are traceable to that position.

The Colon Classification works for the former, without too much violence to "economic limits", as statistical analysis shows.

Indeed the chief field for future research by classificationists is the invention of more powerful principles by which individualisation of topics can be secured with even a shorter notation.

INTRODUCTION TO THE SECOND EDITION

This revised edition does not essentially differ from the first. But the following distinctive features may be noted:

(1) In response to the suggestion of Mr. Wm. Stetson Merrill and other friends in various countries that there should be plenty of illustrations, a fourth part has been added. It gives about 3,000 examples of class numbers constructed according to the Colon Scheme. These are in effect chosen at random: they represent books (other than current volumes of periodical publications) added to the Madras University Library in 1938.

This part may be useful to:

(*a*) Librarians who work in libraries already classified by other schemes and therefore find no opportunity to try the Colon Scheme in practice;

(*b*) Freshmen who have to learn the subject; and

(*c*) Libraries anxious to classify their collections but unable to engage full-timed trained librarians or assistants.

The substantive part of the book continues to be practically of the same size as before, although the size of the book as a whole has nearly doubled as a result of the addition of the fourth part.

(2) Since the publication of the first edition the foundations of the theory of classification have been critically explored and reconstructed in the *Prolegomena to library classification.* The whole scheme has now been subjected to the searchlight of its twenty-eight canons and minor maladjustments—mostly relating to the Octave Principle and the Unscheduled Mnemonics —have been set right.

(3) To satisfy the Canon of Currency certain terms have been changed, the major changes being that of 'Philology' to 'Linguistics' and 'Politics' to 'Political Science'. In the light of the same Canon 'Anthropology' has been transferred from the Main Class 'V History' to the Class 'Y1 Sociology'.

(4) The schedules for Common Subdivisions, Sound, Electricity, Technology, Biology, Public Health, Indian Philosophy, Sociology and Law have been revised or recast in the light of the experiments and observations made during the last

five years. About 800 new divisions have been added to the schedules as a whole.

(5) The schedules illustrating the Classic Device have been enlarged. About 300 new classics have been added.

(6) The 'Last Octave Principle', one of great potentiality, has newly been enunciated in Rule 661. The associated 'Penultimate Octave Principle' follows in Rule 662.

(7) The Auto-Bias Device mentioned in the *Prolegomena to library classification* has been enunciated in Rule 683 as a special form of the Bias Number Device.

(8) Schedules have been added for Mechanics, Veterinary Science, Ancient Tamil Poetry, Jainism, Buddhism, Judaism, Christianity, Zoroastrianism and Anthropology.

(9) A new Main Class '△ Spiritual Experience and Mysticism' has been introduced. Its necessity, scope and resource are explained in chapter △.

PART I
RULES OF CLASSIFICATION

01 CALL NUMBER

01 The CALL NUMBER of a book is the symbol which individualises it. It fixes its position in the shelves relative to the other books. It is also used by readers in calling for books.

It has been shown in my *Five laws of library science* that the proper arrangement of books in a library is the classified arrangement on a subject basis. Any other mode of arrangement such as by authors, or size, has been shown to be either ineffective or inconvenient. It is a matter of experience that the interest of the readers goes by the subject matter of the books rather than by the author (except in Literature) or by any other consideration. Hence, a classified arrangement on a subject basis will facilitate the finding of his book by every reader, will increase the chance of every book getting its reader and will also save the time of the reader.

It is not enough if the subject of a book is indicated in ordinary words. Then the daily arrangement of books will require the services of persons who know the relative order of all the subjects and their detailed subdivisions. It is not only impossible to get the services of such persons but it would also be wasteful. Hence, the subject of the book ought to be translated into suitable numbers whose ordinal arrangement is easy.

In some libraries the Call Number does not actually individualise books. That is to say, it is possible for more than one book to get the same Call Number. It is desirable, however, to remove this ambiguity, *i.e.*, to satisfy the Canon of Individualisation and it is not difficult to do so.

In libraries which do not adopt the 'open access' system, the task of picking out books will become very difficult if their positions are not definitely given. In such cases, the Call Number is used to supply the necessary information.

In some libraries books are placed permanently in particular shelves and their positions are indicated by what are known as Press-marks. In such a rigid arrangement it will not be practicable to bring together all the books on the same subject, if the library is a growing one. Fixing the position of a book relative to the other books rather than in relation to the racks or shelves is the only correct method. Hence, the Call Number has taken the place of the Press-mark.

011 The CALL NUMBER consists of two parts—the CLASS NUMBER and the BOOK NUMBER.

Chapter 02 of the Rules will deal with the Class Number and Chapter 03 with the Book Number.

012 A double space is ordinarily to separate the Book Number from the Class Number.

e.g. B43 F6, C56 113F9

0121 On the back of the book and on the back of the title-page, however, the Book Number is to be written below the Class Number.

e.g. B43 C56
F6 113F9

02 CLASS NUMBER

02 A CLASS NUMBER is a symbolic translation of the subject of the book.

021 A CLASS NUMBER is an ordinal number which consists of an intelligible concatenation of one or more of the ten Arabic numerals, the fifty-two letters of the Roman alphabet, capital and small, the symbol △, a colon and a dash.

For convenience of later reference, we shall refer to each group of these symbols as a *species*. That is to say, the Arabic numerals, the capital letters and the small letters form three different species of symbols and each of the other three symbols belong to different species. It is usual to aim at purity in notation, *i.e.*, to have as few species as possible in the Class Number. (Vide *Prolegomena to library classification*, pp. 73 to 78). In the Dewey Decimal Classification, the numbers consist only of two species—Arabic numerals and a dot. In the Cutter Classification, the numbers consist entirely of capital letters. In the Congress Classification, the numbers consist of capital letters, a dot and Arabic numerals. In the Brussels Scheme, a large number of species of symbols is used. In the Colon Scheme, six species have been used. On account of the important role played by the symbol *Colon* in the notation of this Scheme, the Scheme itself is called the Colon Classification. (*Vide* Section 61 of Chapter 6.).

When it is said that the Class Number consists of an intelligible concatenation of symbols, it is meant that the concatenation is intelligible in the light of or in accordance with the rules framed for the purpose.

022 Each one of the symbols in a class number is called a digit.

023 The digits are written from left to right.

024 The place value of the digits is as in decimal-fractions.

The advantage of using the decimal-fraction notation is that it gives great elasticity to the notation. In other words, any number of numbers can be conveniently interpolated between two consecutive numbers. For example, if 22 and 23 are read as integers, we cannot interpolate another integer between them. But, if they are read as decimals, 221, 222,.... 229 lie between them, and hence can be interpolated between them. Again 2211, 22112 ... etc., lie in that interval.

In fact, this is a peculiarity of the decimal notation which was first explicitly pointed out by the mathematician Peano and was first used for classification purposes by Melvil Dewey. It can be seen that the addition of a digit on the right does not in any way affect the place value of the already existing digits. But, on the other hand, it would completely change the place value if the numbers are used as integers.

The decimal-fraction notation gives full satisfaction to the Canon of Hospitality in Chain. The hospitality is really infinite. It also secures conformity to the Canon of Relativity.

024 The symbols used in constructing the Class Number shall be taken to fall in the following order if arranged in the ascending order of their absolute magnitude:—*a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z*, 0, :, —, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, G, H, I, J, K, L, M, △, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.

0241 Any number followed by a small letter shall have precedence over the number itself.

e.g. B63*v* has precedence over B63. L23:45*a* has precedence over L23:45.

025 The process of assigning the CLASS NUMBER to a book is really that of finding out successively the digits that make up the CLASS NUMBER.

To put it in other words *Classifying* a book implies (1) the assignment of the book to the appropriate class of the scheme of classification by ascertaining the way in which each of the characteristics appropriate to the class is shared by the book; and (2) giving to the book the Class Number which represents that class.

The later chapters of this part will give the rules relating to the determination of the successive digits.

026 The ULTIMATE CLASS of a book is the class of the smallest extension and the greatest intension in which it can be placed.

Taking, for example, Askwith's *Analytical geometry* the Main Class in which it should be placed is *Mathematics*. But, *Mathematics* is too large a class for the book. Hence, we should take the subclass *Geometry* which is more appropriate. *Geometry* again is too extensive and we shall have to subdivide it still further and put the book in *Plane Geometry*. As a matter of fact, even *Plane Geometry* is too big a class for the book. We shall have to subdivide it and actually put the book in the class *Curves of the Second Degree*. Perhaps it may be convenient to subdivide it still further and arrive at the class *Analytical Geometry of the Curves of the Second Degree*. The subject of the book will not admit of going further down the scale of subdivisions. Thus,

Analytical Geometry of the Plane Curves of the Second Degree is the ultimate class of the book in question.

Similarly, let us consider Florence Emily Hardy's *Life of Thomas Hardy.* To arrive at the ultimate class of the book, we shall have to go down the sequence *Literature, English Literature, Fiction, Hardy, Biography of Hardy.* The classes in this sequence are arranged in descending order of extension and ascending order of intension and the ultimate class of the book is *Biography of Hardy, the English Novelist.*

03 BOOK NUMBER

03 The purpose of the BOOK NUMBER is to individualise the books having the same Ultimate Class.

031 The BOOK NUMBER is an ordinal number which consists of an intelligible concatenation of one or more of the ten Arabic numerals, the capital letters of the Roman alphabet, a dot and a dash.

0311 Each one of the symbols in a book number is called a digit.

0312 The digits are written from left to right.

0313 The place value of the digits is as in decimals except in the cases covered by the Rules 035, 036, and 037 of this Chapter.

0314 The symbols used in constructing the BOOK NUMBER shall be taken to fall in the following order if arranged in the ascending order of their absolute magnitude: A, B, C, D, E, F, G, H, I, J, K, L, M, N, N, O, P, Q, R, S, T, U, V, W, X, Y, Z,.,—, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9.

032 The BOOK NUMBER may consist of one or more of five parts, *viz.*, the Language Number, the Date Number, the Accession Part of the Book Number, the Volume Number and the Supplement Number. These parts are to be written in the order given above without interspace between the parts.

The need for Book Number is discussed in the *Prolegomena to library classification*, pp. 175-181.

In this system, the Book Number is decided ordinarily by the language in which the book is written and its date of publication. In extraordinary cases, certain other factors, corresponding to the last three parts of the Book Number, are used in addition in the construction of the Book Number. (*Vide* Rules 035 and 537 and their sub-Rules.)

In some libraries, the individualisation of books in an ultimate class is done, in a partial manner, by writing the first three letters of the name of the author of the book below the Class Number. It can be easily seen that the names of more than one author may have the same first three letters and hence in this method the books do not get com-

pletely individualised. Some libraries try to improve upon it by adopting some additional devices.

But, a more useful characteristic for individualising the book is its date of publication. After all, if we remember that the library is a growing organism, it is more often the date of publication that determines the value of the book than the author except, of course, in literature and in the classics of the other subjects which form independent classes by themselves in this scheme. The majority of readers are interested in the latest books in an ultimate class, while antiquarians may be interested in the oldest books. Hence, the chronological arrangement of books in an ultimate class will not only save the time of many readers but also give them greater satisfaction. Hence, in this system the date of publication forms an essential part of the Book Number.

It is felt further that it may be convenient for most of the readers if the books in an ultimate class written in different languages are separated. Hence, the language of the book also forms an essential part of the Book Number.

033 The Language Number

033 The Language Number is got by translating the language in which the book is written into appropriate symbols in accordance with the language schedule, given as Schedule 4 of Part II.

It will be convenient at this stage to introduce two definitions.

0331 The FAVOURED LANGUAGE of a library is the language in which the majority of the books of the library are written.

Normally the language of the country is likely to be the Favoured Language. But under the peculiar conditions of India, and Madras, in particular, the Favoured Language of many of the libraries, at present, is likely to be English.

0332 Each library should have a descending scale of popularity for the languages, the Favoured Language being given the first place. Among a given set of languages the MOST POPULAR LANGUAGE is the language which occurs earliest in the scale of popularity.

It is not easy to give a definite and unique measure for arranging the languages in the order of popularity. But each library may be able to decide from experience some working scale. All that is wanted is that the scale should be a fixed one. For example, in the University Library at Madras, where English is used as the Favoured Language, the scale of languages is as follows:—English, Tamil, Malayalam, Telugu, Kanarese, Sanskrit, Hindi, Urdu, French, German, etc.

If a book is written in more than one language, three important cases may arise. Either the book may consist of the same matter in more than one language or it may consist of a classic with commentaries in one or more languages or simply of commentaries of a classic in more than one language. Practically these are the only types of polyglot books that will have to be considered. If any other type occurs, it may be dealt with in an analogous manner.

The three following Rules deal with the three types mentioned above.

0333 In the case of a book consisting of the same matter in more than one language, the Most Popular of the Languages in which the matter occurs is to be used to construct the Language Number.

0334 In the case of a book consisting of a classic with commentaries in one or more languages,

(*a*) if the classic is of greater importance than the commentaries, the language in which the classic is given is to be used to construct the Language Number; and

(*b*) if the classic is of less importance than the commentaries, the Most Popular of the Languages in which a commentary occurs is to be used to construct the Language Number.

0335 In the case of a book consisting of two or more commentaries of a classic but not containing the classic itself, the Most Popular of the Languages in which a commentary occurs is to be used to construct the Language Number.

0336. In the case of a book belonging to a Main Class other than 'Literature', if it is in the Favoured Language or if the language to be used to construct the Language Number is the Favoured Language, the Language Number need not be written.

This rule is intended to effect economy in notation. As, by definition, the majority of the books in a library should be in the Favoured Language, this rule results, really, in saving a large amount of labour and time. It also reduces the Book Number to two digits in the case of a majority of books in a library. Incidentally, this rule leads to another desirable effect. According to this rule, among the books in any ultimate class, the group of those in the Favoured Language will have precedence over the groups in the other languages.

0337 In the case of a book belonging to the Main Class 'Literature', if the language of the book is the same as the

language of the literature, the Language Number need not be written.

This rule also is intended to effect economy in notation. Normally the majority of the books falling in the Main Class 'Literature' are likely to be in the language of that literature. Hence it is an advantage to suppress the Language Number if the language of the book is the same as the language of the literature. A few books such as translations, biographies, criticisms, etc., may be in languages other than the language of the literature. In such cases, the Language Number ought to be written. It may be explicitly stated here that even if the language of the book or the language to be used to construct the Language Number is the Favoured Language, the Language Number ought to be written.

034 The Date Number

034 The Date Number is got by translating the decade of publication into appropriate symbols (capital letters of the Roman alphabet) in accordance with the following schedule and putting thereafter in Arabic numerals the number of the year of publication within the decade:—

CHRONOLOGICAL TABLE FOR BOOK NUMBER

A Before 1880	J 1960 to 1969	S 2050 to 2059
B 1880 to 1889	K 1970 to 1979	T 2060 to 2069
C 1890 to 1899	L 1980 to 1989	U 2070 to 2079
D 1900 to 1909	M 1990 to 1999	V 2080 to 2089
E 1910 to 1919	N 2000 to 2009	W 2090 to 2099
F 1920 to 1929	O 2010 to 2019	X 2100 to 2109
G 1930 to 1939	P 2020 to 2029	Y 2110 to 2119
H 1940 to 1949	Q 2030 to 2039	Z 2120 to 2129
I 1950 to 1959	R 2040 to 2049	AA 2130 to 2139
		AB 2140 to 2149
		etc.

The above chronological table has been prepared purely with the conditions of the Madras University Library in view. Since the library itself was formed only twenty-five years ago, most of its books are those published in recent years only. It has been found that no ultimate class contains more than a few books published before 1880. Such a condition is likely to obtain in many of the Indian libraries. In the case of older libraries the starting point of the chronological table may be some suitable year earlier than 1880. In the case of very ancient libraries and manuscripts libraries, it may be better to use the divisions of the Chronological Schedule given as Schedule 5 of Part II.

The following are some examples of the translation of the year of publication into symbols:—1929 = F9, 1930 = G0, 1939 = G9, 1965 = J5.

0341 The date of publication of a work is the year which is given in the imprint of the title page.

0342 If a book is a facsimile reproduction of another book the date given in the facsimile title page is to be taken as the year of publication.

0343 Subject to the provisions of Rule 0342, if there be more than one title page giving a year in the imprint, the latest of such years is to be taken as the year of publication.

0344 If the year of publication is not given in the imprint of the title page but one or more years are given on the back of the title page, the latest of such years is to be taken as the year of publication.

0345 If no year is given either in the imprint of the title page or on its back, or if the book has no title page, the latest of the years given under the preface or inferable from any other part of the book is to be taken as the year of publication.

0346 If the year of publication cannot be inferred from any part of the book, it is to be found from books of reference or from any other source of bibliographical information.

For the books in the English Language, the *English catalogue*, the *Reference catalogue*, the *British Museum catalogue*, the bibliographies given in books such as *Cambridge history of English literature*, and such other works, may be of use.

0347 If the year of publication cannot be found by any of these methods, the most probable year is to be guessed from the nature of printing, the nature of paper and such other information that may be available.

0348 If the year of publication is not taken from the title page or its back, the decision arrived at by the classifier must be checked by another person and if there is difference of opinion, the matter is to be referred to the Chief Librarian for final decision.

035 The Accession part of the Book Number

035 If more than one book of the library, having the same ultimate class, are written in the same language or have

the same language to be used to construct the Language Number and have also the same year of publication, the books are arranged in the order of accession when it can be ascertained or otherwise in any arbitrary order. In the case of the first book, the Book Number is to end with the Date Number. In the case of the second book, the Date Number is to be followed by 1; in the case of the third book, the Date Number is to be followed by 2; in the case of fourth book, the Date Number is to be followed by 3 and so on. In the case of the *nth* book, the Date Number is to be followed by *n*—1.

0351 The digit or digits thus added to the Date Number may be termed the Accession Part of the Book Number.

0352 If the Accession Part of the Book Number consists of more than one digit, it is to be read as an integer and not as a decimal.

It is obvious that if the library possesses more than one book published in a given language in a given year and belonging to a given ultimate class, the Book Number will not individualise them if it stops with the Date Number. But the addition of the Accession Part will remove the difficulty.

A library cannot decide in advance which of the books having the same ultimate class and published in the same year in the same language will be acquired by it. Hence, it has been decided that the most convenient way of arranging such books is to arrange them by the order of accession.

Further, when the first of such books is acquired, it cannot be known whether the library will get any other such book. In case it does not get any other such book the addition of '1' after the Date Number of the only book acquired may prove to be unnecessary. Nor will it be convenient to add '1' to the Date Number of the first book as soon as a second book is acquired, since the task of changing the number in numerous places, which will be necessary, will involve waste of time. Hence, it has been decided to leave the first book without the addition of the Accession digit and to add the Accession digit or digits only in the case of the later books.

It may be explicitly remarked that this Rule is also applicable to additional copies of one and the same book.

036 The Volume Number

It may happen that a work is in more than one volume. In such a case it would be desirable to devise the Book Numbers of the volumes in such a way that they are all brought together. The device that is employed for this purpose is given in Rule 0361. But before going to

that Rule, it will be convenient to formulate a test for deciding when the volumes of a set are to be kept together. The following Rule gives a set of sufficient tests.

036 A set of volumes is to be deemed to be indivisible if one or more of the following conditions hold good:—

(*a*) The set possesses a common index.

(*b*) The same sequence of pagination is continued throughout all the volumes of the set.

(*c*) The subject matter is promiscuously distributed among the volumes of the set so that it is not practicable to treat each volume as a separate book.

The tendency should be to separate the volumes of a set except under very rare circumstances. Then only the volumes will get placed along with the other volumes in cognate classes. Hence the tests have been so framed that a set will be deemed indivisible only under rare and exceptional circumstances.

0361 In the case of an indivisible set of volumes, the volumes of the set are to be individualised by putting a dot after the Date Number or the Accession Part of the Book Number, as the case may be, and putting the number of the volume in Arabic numerals after the dot.

03611 The digit or digits thus added after the dot may be termed the Volume Number.

03612 If it consists of more than one digit, it is to be read as an integer and not as a decimal.

The device given in the Rule secures in a very natural way that the volumes of the set are kept in their proper order.

If the volumes of an indivisible set are not published in the same year, the year that is to be used for the Date Number is indeterminate. The following Rule is enunciated to remove this indeterminateness.

0362 The date of publication of an indivisible set is the year in which the earliest published volume in the set is published.

One might ask why should not the year of publication of the first volume of the set be used for the construction of the Date Number. Not infrequently it happens that the volumes of an indivisible set are not published in a normal order. Exigencies may lead to the publication of a later volume before an earlier volume and in fact to the publication of the volumes in any irregular order.

Hence, if the labour of changing the numbers is to be avoided, it is obvious that the most convenient year that can be taken as the year of publication of the set is the year in which the first published volume in the set appears.

037 The Supplement Number

037 In the case of a volume which has supplementary volume or volumes, the Book Number of the supplementary volume or volumes is to consist of the Book Number of the corresponding main volume followed by a dash which is itself followed by the number of the supplement in Arabic numerals.

0371 If a supplementary volume relates to more than one volume of an indivisible set of volumes, its Book Number is to consist of the Book Number of the last of such volumes in the set, followed by a dash which is itself followed by the number of the supplement in Arabic numerals.

The result of this rule is to attach the supplementary volume to the last of the volumes to which it relates.

0372 The digit or digits thus added after the dash may be termed the Supplement Number.

0373 If it consists of more than one digit, it is to be read as an integer and not as a decimal.

0374 A Book Number which has a Supplement Number as its part is to come immediately after the Book Number which is made up only of the digits preceding the dash and if there be more than one supplement to a book they are to be arranged among themselves in the order of the Supplement Number.

Usually such supplementary volumes either contain additional information or maps or statistical tables which are not complete by themselves but have use only when read with the main volumes. Hence, it is usually found that it is more convenient if the supplementary volumes are all kept together with the main volumes in the order in which they appear. The device given in the Rules of this section is to secure this object.

1 MAIN CLASS DIGIT

10 The first digit of a Class Number is the symbol representing the Main Class of knowledge into which the book falls. It may be termed the MAIN CLASS DIGIT.

We now begin the rules relating to the construction of the Class Number part of the Call Number. The first digit is naturally to represent the Main Class of knowledge that occupies either the whole or the major portion of the book.

101 The twenty-eight classes into one and only one of which each book has to fall may be termed the Main Classes and the digits representing them are given in Schedule I of Part II.

The special device, that has been employed to make the Main Classes totally exhaustive, consists in the introduction of certain generalia classes, *viz.*, the Generalia Class proper which has no letter attached to it, the Science (General) Class which is represented by *A*, the Natural Science (General) Class which is represented by *G*, the Useful Arts Class which is represented by *M* and the Miscellaneous Social Sciences Class which is represented by *Y*. The existence of composite books is another reason which necessitates the introduction of such generalia classes.

The task of making the twenty-eight Main Classes mutually exclusive is by no means easy, since the terms used to name these classes are not definite in their denotation. The boundary lines between the different Main Classes are never either clear or definite. Sciences usually shade into one another and the boundary line gets shifted from time to time. Hence, the only practical way in which the terms can be made definite is to define these terms by successive sub-divisions*. This will be done in the later chapters. The mutual exclusiveness of the classes will be secured by taking care to see that the subdivisions are so constructed as to avoid overlapping. Further, once the subdivisions get themselves attached to particular Main Classes, due care should be taken to see that they are not disturbed from their position. In other words, the library should be absolutely consistent in the use of the subdivisions.

It can be seen that these twenty-eight Main Classes fall into four broad groups. The classes *A* to *M* constitute the group 'the Sciences and their applications'. △ forms a group by itself. The classes *U* to *Z* relate to the subjects that deal with 'Man in society' The remain-

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* *Vide* Canon of Enumeration developed in the *Prolegomena* to *library classification.*

ing divisions relate to the other humanistic subjects. There is some kind of evolutionary relation among the classes of each group, as shown in pp. 204-206 of the *Prolegomena to library classification*. The appropriateness of the placing of △ between the sciences and the humanities will be shown in chapter △ of this part.

Any book dealing with more than one of the classes *H* to *L* is to be placed in the class *G*. Any book which deals with more than one of the Sciences, *i.e.*, with more than one of the classes *B* to *M*, but one at least of which falls outside and one at least inside the group of classes *G* to *L*, is to be placed in the class *A*. Any book which deals with more than one of the classes *Q* to *Z* is to be placed in the class *Y*. Finally any book which deals with more than one subject, one at least of which falls outside and one at least inside the group of the scientific subjects, is to be put in the class 'Generalia'.

11 To fix the first digit, the title, the contents, the preface, the index and the whole book are to be used in order. One is to go down the sequence as far as it is necessary.

In a majority of modern books the title, no doubt, indicates the Main Class of the book. But in certain cases, the title may be either non-significant or positively misleading. Hence, it may be necessary to check the decision made with the use of the title, by turning through the pages of the book in a rapid manner.

When the title is non-significant, the contents of the book may throw some light on its Main Class. But there are cases where it may not be possible to find the Main Class of the book except by reading it through. Roughly speaking about half a percent of the books in a library may involve such a long process to find out the Main Class. (*Vide* Chapter 9 of the *Prolegomena to library classification.*)

12 Rules governing the fixing up of the second and further digits will depend upon the first digit.

This Rule merely states the obvious fact that the subdivision of different subjects will have to proceed on different lines. Most of the later chapters are really devoted each to one Main Class.

While the commentaries on some of the rules in later chapters seek to discuss the definition of the terms used to denote the classes, the denotation of most of the classes is to be inferred, in conformity to the Canons of Context and Enumeration, from the filiatory order in which the classes are enumerated in the schedules of Part II.

2 COMMON SUBDIVISIONS

2 Subdivisions which may occur in many classes may be termed COMMON SUBDIVISIONS.

There are certain subdivisions which may occur in many classes, for example, we may have to provide for the subdivisions;—bibliography, biography, collected works, conference, history and so on in the case of many classes. It will be convenient if the same Common Subdivision is always represented by the same symbol in all cases. The mnemonic table of Common Subdivisions is built up with this object in view and has been included among the preliminary tables.

21 The Common Subdivisions and the digits representing them are given as Schedule 2 of part II.

It is not maintained that every one of these Common Subdivisions will be applicable to every class. All that is intended is that they may be applicable to many classes. For example, B*v* is History of Mathematics, P*v* is History of Linguistics, X*v* is History of Economics, C52*v* is History of the Physics of X rays, P111:J1*v* is History of the Phonology of Modern English.

In certain subjects, some of the symbols used in this table will be given a special meaning. For example, in Literature *c* will stand for 'Index of titles' and *e* will stand for 'Index of first lines'. In Linguistics *z* will stand for 'Comparative and genetic study'. Such special use of the symbols of the Schedule of Common Subdivisions will be indicated in subsection '8' of the chapters dealing with the respective subjects.

22 Any Class Number may, if possible, be amplified by the addition of a COMMON SUBDIVISION NUMBER, which shall consist of Common Subdivision digits, bare or amplified.

23 Unless otherwise specified the Class Number is to be worked out on the basis of the prescribed trains of characteristics to the fullest extent admitted by the book before it is amplified by a bare or amplified COMMON SUBDIVISION NUMBER.

231 In the case of biographies and some types of collected works, the CLASS NUMBER is to be worked out to the least extent possible. The exact extent has to be left to the fiair of the classifier.

COMMON SUBDIVISIONS

24 Whenever warranted, two or more Common Subdivision numbers may be added in succession.

e.g. History of a laboratory will warrant successive amplification by *c* and *v*.

The manner in which Common Subdivision digits are to be amplified is given in the succeeding Rules of this Chapter. In most of these Rules the terms *Chronological Device* and *Geographical Device* will appear. Their meaning will be found in Chapter 6 of this Part.

2*a* The digit *a* may be amplified as the Generalia Class '1 Bibliography' is subdivided if the nature of the book warrants it or otherwise simply by the Chronological Device. The Chronological Number is to be worked out to two digits. The decade up to which the bibliography is brought, is to be used as the epoch.

The following few lines will illustrate the use of the Chronological Device, when fullfledged amplifications as in '1 Bibliography' is not warranted. Let us take the class *Principles of literary criticism* as an example. It is possible to have many bibliographies of this subject brought up to one of several periods, like the Aristotelian period, the Augustan period, the Elizabethan period, the Victorian period, the Georgian period and so on. If the digit *a* which comes after the Class Number of the class *Principles of literary criticism* is not amplified by the Chronological Device, all these bibliographies will get arranged simply by their dates of publication with the result that the bibliographies of the different periods get intermingled. On the other hand if the digit *a* is amplified by the Chronological Device as laid down in this Rule, the bibliographies will be grouped by the latest periods covered by them and the groups will themselves come in the normal chronological sequence. Certainly it is much more desirable to have them grouped like that.

2*b* The digit *b* as well as the subdivisions of *b* may be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The Chronological Number is to be worked out to two digits. The latest decade about which the book gives information is to be used as the epoch. In the case of the bare digit *b* and the numbers *b*1 and *b*5, a colon is to be put before the Geographical Number.

The common sub-division *b*1 is to accommodate tests of qualifications only. The technique of applying the tests will go to the appropriate Main Classes. For example, the technique of testing physical fitness is to be classed in L:8 and the technique of conducting examinations or intelligence tests is to be classed in T:47.

2*c* The digit *c* may be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. If the book gives an account of a particular laboratory, the Chronological Number is to be worked out to three digits, the year of foundation of the laboratory being used as the epoch. Otherwise it is to be worked out to two digits only, the latest decade about which the book gives information being used as the epoch.

2*d* The digit *d* may be amplified in the same way as the digit *c* except that, if it refers to an exhibition, the year of the exhibition is to take the place of the year of foundation.

2*e* The digit *e* may have to be subdivided, whenever necessary, according to the nature of the Class Number which it amplifies.

There are likely to be many instruments related to any given class. In the case of a book which deals with more than one instrument, the class number is to be amplified by the bare digit *e*. But if a book deals with one single instrument only, it will be convenient to have *e* further subdivided. No attempt has been made in this edition to give the subdivisions of *e* that will be appropriate to the different classes. Except in very specialised libraries, the need for it may not arise. Such specialised libraries may work out a scheme of subdivision that satisfies the Canon of Mnemonics, enunciated in the *Prolegomena to library classification*.

2*f* The digit *f* may be amplified by the Chronological Device. The Chronological Number is to be worked out ordinarily to two digits. The decade, the conditions of which are represented by the map or atlas, is to be used as the epoch.

2*g* The digit *g* may not require any amplification.

2*h* The digit *h* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the institution is situated is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year of foundation of the institution is to be used as the epoch.

2*j* The digit *j* may be amplified by the Chronological Device. The Chronological Number is to be worked out to three digits, the year of birth of the person or the year of

foundation of the institution, in whose memory or honour the book is written, is to be used as the epoch.

2*k* The digit *k* may not require any amplification.

2*l* The digit *l* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the Society had its headquarters at the time of foundation is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year of foundation of the Society is to be used as the epoch.

The term *society* is used to denote a Learned Society founded and maintained for the pursuit of one or more branches of knowledge. The digit *l* is to be used in the case of a book which gives an account of the Society. But in the case of occasional or periodical publications issued by the Society, the digit *l* is not to be used. Such publications are to be treated as ordinary books or as periodical publications as the case may be.

2*m* The digit *m* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the first volume of the periodical was published is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year in which the periodical was commenced is to be used as the epoch if it is not the organ of a Society. If it is the organ of a Society, the year in which the Society was founded is to be used as the epoch.

As a result of this rule, all the volumes of a specific periodical will get the same Class Number and will be brought together as their Class Number will be unique. They will be individualised by their Book Numbers.

2*m*1 When applied to further amplify the digit *m*, the digit *a* is to be used in the case of cumulative indexes. It may be amplified in accordance with Rule 2*a*.

2*m*2 If a volume of a set is in more than one part, the parts are to be regarded as an indivisible set in constructing the Book Number.

2*m*3 In the case of a periodical publication, the Language part of the Book Number need not be written.

COMMON SUBDIVISIONS

The Class Number of a periodical publication contains the Geographical Number of its place of origin. As a result of this, the periodical publications in any given subject will get themselves grouped by the countries. This would incidentally lead also to the grouping of the periodicals by languages except in a few anomalous cases. Hence the adding of the Language Number in the Book Number would be redundant.

2*m*4 If a Society publishes two or more periodical publications which treat of the same class of knowledge, the class number for the first is to be constructed as provided in rule 2*m* and the class numbers for the second, third, *etc.*, are to be got from that of the first by adding the digit 1, 2, etc., respectively to it. If the number thus added be in two or more digits, it should be read as an integer and not as a decimal.

As a result of this rule, all the periodicals issued by the same Society and treating of the same class of knowledge will come together.

2*n* The digit *n* may be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or any other geographical area about which the yearbook, etc., gives information is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year of commencement of the yearbook, etc., is to be used as the epoch.

As a result of this rule, all the issues of a specific yearbook, etc., will get the same Class Number and will be brought together as their Class Number will be unique. They will be individualised by their Book Numbers.

2*n*1 If a volume of a yearbook, etc., is in more than one part, the parts are to be regarded as an indivisible set in constructing the Book Number.

2*n*2 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number, which is amplified by the digit *n*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *n*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *n*.

2*p* The digit *p* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or any other geographical area which engages the attention of the Conference, or, otherwise, to the people of which the membership of the Conference is primarily restricted, is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. If the Conference is a stray one, the year of the Conference is to be used as the epoch; if it is held periodically by a permanent agency and if it is desirable to bring together the proceedings of the successive sessions, the year of the first sessions is to be used as the epoch.

2*p*1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *p*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *p*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *p*.

2*q* The digit *q* may be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or any other geographical area which is covered by the Bill, etc., is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits. The year of the Bill, etc., is to be used as the epoch.

2*q*1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *q*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *q*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *q*.

2*r* The digit *r* may be amplified by the Geographical Device. The country or the Geographical area which is covered by the Report is to be used to construct the Geographical Number.

This will secure that the successive issues of one and the same Report will get the same Class Number and will be brought together as their Class Number will be unique. The different issues of the Report will be individualised by their Book Numbers.

It may be explicitly stated that the digit appropriate to the report of a Commission is *t* and not *r*; similarly the digit appropriate to the report of a Conference is *p* and not *r*; the digit appropriate to the report of a survey is *u* and not *r*.

2*r*1 If the same Geographical Number has been used in constructing the Class Number which is amplified by the digit *r*, the Geographical Number may be omitted in amplifying the digit *r*.

It is obvious that it would be redundant to repeat the same number both before and after the digit *r*.

2*r*2 If an issue of a Report is in more than one part, the parts are to be regarded as an indivisible set in constructing the Book Number.

2*r*3 If more than one type of Report are issued by the same body or institution, that is, if more than one type of report get the same Class Number by Rule 2*r* or 2*r*1, as the case may be,

(*a*) in the case of one of the types in the library, the Class Number constructed by Rule 2*r* or 2*r*1, as the case may be, is to be used without further amplification,

(*b*) in the case of the second, third, etc., types in the library, a colon is to be put after the Class Number constructed by Rule 2*r* or 2*r*1, as the case may be, and thereafter the number 1, 2, etc., respectively is to be added. If the number thus added is in more than one digit, it is to be read as an integer and not as a decimal.

2*s* The digit *s* may be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or the geographical area about which the book gives information is to be used in constructing the Geographical Number. The Chronological Number is to be worked out to two digits. If the publication is a stray or isolated one, the year covered by the publication is to be used as the epoch. If the publication is issued periodically, the digit *s* is to be amplified by the digit *m* with the

proviso that if it is issued by a government, the Chronological number may be omitted and rule 2*r*3 may be applied if necessary.

This will secure that the successive issues of any statistical publication issued periodically will get the same Class Number and will be brought together as their Class Number will be unique. The different issues will be individualised by their Book Numbers.

2*s*1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *s*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *s*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *s*.

2*s*2 If an issue of a statistical publication is in more than one part, the parts are to be regarded as an indivisible set in constructing the Book Number.

2*t* The digit *t* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or the geographical area coming within the purview of the Commission, etc., is to be used in constructing the Geographical Number. The Chronological Number is to be worked out to three digits. The year of appointment of the Commission, etc., is to be used as the epoch.

2*t*1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *t*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *t*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *t*.

2*u* The digit *u* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or the geographical area coming within the purview of the Survey, etc., is to be used in constructing the Geographical Number. The Chronological

Number is to be worked out to three digits and the date of commencement of the Survey, etc., is to be used as the epoch, if it is a specially constituted survey. Otherwise, the chronological number is to be worked out to two digits and the latest decade covered by the survey or the descriptive account is to be used as the epoch. Further, if the conditions surveyed are not subject to frequent change, (*e.g.* geological conditions), the chronological number may be worked out to a single digit or may even be omitted altogether.

2*u*1 If the same Geographical Number or the same Chronological Number or both has or have been used in constructing the Class Number which is amplified by the digit *u*, the Geographical Number or the Chronological Number or both, as the case may be, may be omitted in amplifying the digit *u*.

It is obvious that it would be redundant to repeat the same numbers both before and after the digit *u*.

General travel books will get a place in the Subject Division *U*. The Class Numbers of such books need not be amplified by the digit *u*.

2*v* The digit *v* is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country or the geographical area about which the book gives information is to be used in constructing the Geographical Number. The Chronological Number is to be worked out to two digits. The decade up to which the history is brought in the book is to be used as the epoch.

The remarks similar to those given under Rule 2*a* will hold good here also.

2*w* The digit *w* is to be amplified by the Chronological Device. If a book gives the biography of a single person, the Chronological Number is to be worked out to three digits, and the year of birth of the biographee is to be taken as the epoch. If a book gives the biographies of more than one person, the Chronological Number is to be worked out to two digits and the decade of birth of the youngest of the biographees is to be taken as the epoch.

2*w*1 If the same Chronological Number has been used in constructing the Class Number which is amplified by the digit

w, the Chronological Number may be omitted in amplifying the digit *w*.

A biographical book is to get the Class Number of the class with which the name of the biographee is primarily associated. For example, the biography of a mathematician is to be placed in the Class B; the biography of an astronomer is to be placed in the class B9; the biography of an electrical engineer is to be placed in the class D66; and that of a person like Mahatma Gandhi, whose name is primarily associated with work on political rights of India, is to be placed in the class V44:25. On the other hand, the biography of a person whose name cannot be definitely associated with some subject or another is to be placed in 'Generalia'. Similarly if a book gives the biography of a number of persons whose names are associated with more than one subject, one at least of which falls among the group of Subject Divisions N to Z, it is to be placed in 'Generalia'.

The letters and correspondence of a person are to be treated as part of his biography for the purpose of this Rule.

2*w*2 In many of the Social Sciences and in the divisions of the Main Class △, it is possible for the case-study or observation-study mode of exposition to take the form of a biography. In such a case, the Class Number is to be amplified by *y*7 and not by *w*.

Examples: 1. Purohit Swami's *An Indian monk: his life and adventures* is to be given the Class Number △2*y*7M82 and not △2*w*M82.

2. E. Allison Peer's *Ramon Lull : a biography* is to be given the Class Number △6*y*7G32 and not △6*w*G32.

3. But, a biography of Rom Landau or of Paul Brunton is to be amplified only by *w*, though its Main Class is △, since their biographies are of interest not as case-studies but only as lives of persons who have made a special study of the Main Class △.

2*w*3 The biography of a person whose importance is due mainly to his association with some other person of importance, either as a relative or as a friend, or in any other manner is to be given the Class Number of the biography of that person of importance.

The biography of such a relative or friend is of interest to the readers only because of the light it throws on the life of the person of importance. For example, it may be said that the biography of Jane Welsh Carlyle is of interest because it throws light on the life of Thomas Carlyle. Hence the book will have a greater chance to find a reader if it is placed with the biographies of Thomas Carlyle. It is just this result that is sought to be secured by this Rule.

2*x* The digit *x* may be amplified by the Chronological Device. If a book gives the collected works or selections from the works of a single person, the Chronological Number is to be worked out to three digits, and the year of birth of the author is to be taken as the epoch. If a book gives the collected works or selections from the works of more than one person, the Chronological Number is to be worked out to two digits and the decade of birth of the youngest of the authors is to be taken as the epoch.

2*x*1 If the same Chronological Number has been used in constructing the Class Number which is amplified by the digit *x*, the Chronological Number may be omitted in amplifying the digit *x*.

The digit *x* is to be used to amplify the Class Number of a book if it contains either more than one work of an author or the works of more than one author. The collected works may be in one volume or in a set of indivisible volumes.

2*y* The digits *y* and *z* and their subdivisions may not require any amplification, except that when *y*7 is used to denote the life of a person or an account of an institution, it may be amplified as *w* and *h* respectively.

3 GEOGRAPHICAL DIVISIONS

30 The Geographical Divisions and the numbers representing them are given in Schedule 3 of Part II.

Several subjects may have to be subdivided geographically at one stage or another. The Main Classes 'History' and 'Geography' will certainly have to be so divided. We have seen in Chapter 2 that the Geographical Division becomes necessary for the amplification of some of the Common Subdivision digits. It will be seen in Chapter 4 that the Language Schedule has to make use of the Geographical Schedule. The notation will gain considerably in mnemonic value if the same number is used to denote the same area in all cases. With this in view, the Geographical Schedule has been constructed and included among the preliminary schedules.

31 The subdivisions of '1 World' are got by using certain convenient characteristics, other than the canonical continent characteristic, which forms the basis for arriving at numbers 4, 5, . . . 9 of the schedule.

32 The digit 2 may be used for the country or province or place to which the library belongs.

It is likely that a library will have a more extensive collection of books pertaining to its country or province or place. Hence the number for that area will have to be inserted very frequently. Further it will have to be subdivided much more profusely than those of other countries or provinces or places. Whereas the number it gets in its natural place in the Geographical Schedule will contain at least two digits and may contain many more, it would add to economy of notation if it can be indicated by a single digit. Hence, it is suggested, that the normal number it gets in its natural place may be left unused and the digit 2 be used to represent it. This rule secures satisfaction to the Canon of Local Variation.

33 As the digit 2 is reserved for the library's own country, etc., the digit 3 may be reserved for the most favoured country.

Here, the term "most favoured" means the country about which the library has a much larger collection than about other countries barring its own country. All the remarks made under Rule 32 are applicable to this rule also.

GEOGRAPHICAL DIVISIONS

34 If any ultimate area mentioned in the schedule requires further subdivision, the subdivision may be effected in accordance with the following plan. Let the area be divided into eight convenient sectors and the sectors be numbered as hereunder:

1	East	5	West
2	South East	6	North West
3	South	7	North
4	South West	8	North East

If only one sub-area falls in a sector, the number of the sector may be given to the sub-area. If more than one sub-area falls in a sector, it may be further subdivided in a similar manner. The digit '9' may be reserved for indicating the islands in the neighbourhood of the area.

A strict adherence to this principle is not demanded nor is it possible in all cases. All that is intended is that the rule may be used as a rough guiding principle. It will be found that Schedule 3 of Part II gives detailed subdivisions of certain countries only. They are to be taken as illustrative. The other countries also are to be subdivided similarly, as need arises.

35 A city or town is to be individualised by amplifying the number for its country by the letter C, which itself is to be amplified by the Alphabetic Device (*vide* Rule 67).

For certain cities an alternative number has been suggested in the Geographical Schedule.

36 A lake, mountain or river lying within a country is to be individualised as in Rule 35, except that the mnemonic letter is to be L, M and R respectively.

37 An international lake, mountain or river is to be individualised as in Rule 36, except that the basic Geographical Number is to be that of the continent to which it belongs.

4 LANGUAGE DIVISIONS

40 The Language Divisions and the numbers representing them are given in Schedule 4 of Part II.

We have already seen in Chapter 03 that the Language Number is used in the construction of the Book Number. It can easily be seen that it will also be required in the subdivision of the Main Classes 'Literature' and 'Linguistics'. Our notation will gain considerably in mnemonic value if the same number is used to denote the same language in all cases. With this in view the Language Schedule has been constructed and included among the preliminary schedules.

41 To represent a language, definitely known to belong to one of the three families represented by the digits '1', '2' and '3' but not indicated in the schedule, the digit 9 is to be added after the number of the ultimate division into which it will fall and the digit 9 is to be amplified by the Geographical Device, the area in which it first became current being used to construct the Geographical Number.

42 Among the languages to be divided by the geographical device if different languages have originated in the same area, they may be arranged in chronological order, if ascertainable, or in some arbitrary order and a colon followed by the numbers 1, 2, . . . may be put after the geographical number to indicate respectively the first, second . . . of these languages.

This problem may arise only in rare cases.

44 The languages comprised by the classes 4 . . . 9 are to be individualised by the Geographical Device, the respective areas, in which they became first current, being used to construct the Geographical Number.

45 The Artificial Languages are got by the Chronological Device, using the year of coining of the language as the epoch and working the chronological number to three digits.

5 CHRONOLOGICAL DIVISIONS

50 The Chronological Divisions and the numbers representing them are given in Schedule 5 of Part II.

In the Main Class 'History,' Chronological Subdivision will be essential. We have seen that, in amplifying some of the Common Subdivision digits, Chronological Subdivision is frequently availed of. It will be seen later that the chronological mode of division appears again and again in the subdivision of most of the classes. In fact, it occurs so frequently, that a part of the next chapter is devoted to the exposition of the idea "Division by Chronological Device" and the variety of uses to which the Chronological Number is put is indicated fully as a preliminary measure, so as to secure brevity in the enunciation of the rules for the detailed subdivision of the different subjects. Again, the variety of uses to which the Chronological Number is being put is one of the elements that has invested the Colon Classification with a marvellous degree of hospitality and elasticity, which is essential in a growing library.

51 In the case of the divisions E onwards, where each letter stands for a century, the decade is to be indicated if necessary by adding the digit of the decade—0, 1, . . . or 9, as the case may be—after the century digit. The year is to be indicated if necessary by adding the digit of the year—0, 1 . . . or 9, as the case may be—after the decade digit. The month is to be indicated if necessary by adding the number of the month—1, 2, . . . or 12, as the case may be—after the year digit. The number representing the month is to be read as an integer and not as a decimal, if it consists of more than one digit.

e.g., E55 = 1055 A.D. M00 = 1800 A.D. P01 = 2101 A.D.

52 In the case of the division D, which represents the first millennium A. D., the century is to be indicated, if necessary, by adding the digit of the century—0, 1, . . . or 9 as the case may be—after D. The decade is to be indicated, if necessary, by adding the digit of the year—0, 1, . . . or 9, as the case may be—after the decade digit and so on.

e.g., D010=10 A.D. D541=541 A.D.

53 In the case of the divisions C and B, which represent respectively the first and the second millenniums B. C., the

century digit, the decade digit and the year digit are to be arrived at as follows:—Write the year in ordinary Arabic numerals. The excess of nine over the number representing the century is to be used for the century digit; the excess of nine over the number representing the decade is to be used for the decade digit; and the excess of nine over the number representing the year is to be used as the year digit.

e.g., B025=1974B.C. B999=1000B.C. C499=500B.C. C989=10B.C.

54 In the case of the division A which represents "Before 2000 B.C.", A9 is to be used for the third millennium B.C., A8 for the fourth millennium B.C. ... and A0 for the twelfth millennium B.C. A00 may stand for "Before 12,000 B.C." and may be further subdivided in the same way as A. Each of the numbers A0 to A9 may, if necessary, be further subdivided as in Rule 53.

6 EIGHT DEVICES

60 One or more of the following Eight Devices may be employed in constructing a Class Number.

1 The Colon Device;
2 The Geographical Device;
3 The Chronological Device;
4 The Favoured Category Device;
5 The Classic Device;
6 The Subject Device;
7 The Alphabetic Device; and
8 The Bias-number Device.

This chapter will be devoted to a short account of these Eight Devices which will be frequently employed in the construction of Class Numbers. A preliminary discussion of these devices will add to the clarity of the rules in the later chapters. It will also be conducive to brevity in the enunciation of the rules of classification.

61 The Colon Device

61 The Colon Device consists in separating, by a colon, the parts of a Class Number, which relate to the different trains of characteristics forming the basis of classification.

In most of the subjects, more than one relevant train of characteristics are available as a basis of classification. for example, in Literature, the language, the form, the author and the work are the trains of characteristics available. A full discussion of these will be found in Chapter 7 of this part. In Chemistry, the problem of study and the substance studied are the trains of characteristics available. In Botany, the plant studied, the problem and the organ are the trains of characteristics available. In certain subjects like Mathematics, Physics and Geology, the first process of division may follow canonical lines; but the canonical classes may be capable of further division on the basis of more than one train of characteristic.

In all these cases, the part corresponding to each train of characteristics is capable of further division quite independently of the parts corresponding to the other trains of characteristics. This is made practicable by the insertion of a colon in accordance with this rule.

We have already seen in Rule 024 that the magnitude of *colon* lies between 0 and 1. As a result of this, a subdivision of a given number by the Colon Device will have precedence over all other subdivisions of

the same number except those obtained by the Classic Device, the Bias-number Device and the application of a Common Subdivision Number. Also the subdivisions of a given number obtained by varying the train of characteristics forming the basis of classification will have precedence over all its subdivisions obtained either by Auto-Bias Device or by continuing the original itself, or by the Chronological Device, or by the Favoured Category Device, or by the Subject Device or by the Alphabetic Device.

An example may make this point clear. In the example chosen the rules given in Chapter 8 are necessarily anticipated. V44:18 is the Class Number for India's policy towards mandated territories. V441:8 is the Class Number for the Archival Sources of the history of the Madras Province. V4418 is part of the Class Number for the history of the Andhra Desa of the Madras Province. The ordinal arrangement for these numbers is as follows:—V44:18, V441:8, V4418. It can be seen that, as a consequence of the Colon Device, all books dealing with the history of India as a whole will come before the books dealing with the history of the Madras Province as a whole as well as the books dealing with the history of each of the other Provinces as wholes. Again, all the books dealing with the history of the Madras Province as a whole will come before the books dealing with the history of each of the different parts of the Province. And this is as it should be.

Here is another example. In this case the rules given in Chapter L are necessarily anticipated. L:2 is the Class Number for human anatomy; L:3 is the Class Number for human physiology; L:4 is the Class Number for diseases in General; L:4:6 is the Class Number for therapeutics in general; L:4:68 is the Class Number for aerotherapy in general; L2 is the Class Number for the digestive system; L2:2 is the Class Number for the anatomy of the digestive system; L2:3 is the Class Number for the physiology of the digestive system; L2:4 is the Class Number for the diseases of the digestive system; L2:42 is the Class Number for the infectious diseases of the digestive system; L2:421 is the Class Number for the tuberculosis of the digestive system; L2:42:6 is the Class Number for the treatment of infectious diseases of the digestive system; L2:421:6 is the Class Number for the treatment of tuberculosis of the digestive system; L2:421:68 is the Class Number for the aerotherapy of the tuberculosis of the digestive system; L24 is the Class Number for the intestines; L24:4 is the Class Number for the diseases of the intestines. The ordinal arrangement of these Class Numbers is as follows:—L:2, L:3, L:4, L:4:6, L:4:68, L2, L2:2, L2:3, L2:4, L2:42, L2:42:6, L2:421, L2:421:6, L2:421:68, L24, L24:4.

It can be seen that, as a result of the Colon Device, the group of books on human anatomy, the group of books on human physiology, the group of books on diseases in general, etc., will come before the groups of books dealing with individual organs. Among the books dealing with an individual organ, the group of general books will come first. Then the group of books on the anatomy of the organ, the group of books on the physiology of the organ, the group of books on the diseases

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of the organ, etc., will come in successive order. Among the books dealing with the diseases of a given organ, the group of general books on the diseases of the organ will come first. The groups of books dealing with particular types of diseases of the organ will come in successive order. Among the books that deal with diseases in general, the general books will come first and then the groups of books dealing with pathology, preventive measures, treatment, etc., will come in successive order. A similar internal arrangement will be secured among the books dealing with the diseases of a specific organ, and so also with the books dealing with the specific diseases of a given organ.

Thus, in the Colon System, the Class Numbers and the classes represented by them form a perfectly articulated system, like the skeleton of a human body, the colon playing the role of the ligaments and cartilages which connect the bones of the system to one another, giving freedom, at the same time, for each bone to grow and to move independent of the other bones. One can easily imagine the great advantage that a specialised worker will find in this system which enables him to lay his hands straight on *all* the materials connected with his work, with the least waste of time. The apparently complex structure of the number cannot be considered to be a source of strain, as the reader is not concerned with the number as such but he is concerned only with the convenient arrangement which the numbers bring about among the books.

Further, as a result of the use of colon, any Class Number becomes a multipartite number capable of expansion at as many points as there are colons, in addition to its being expansible at the right end, whereas in other schemes, a Class Number is capable of expansion at the right end only. In other words, the flexibility of the Colon Notation is many times greater than that of other notations.

The limitations in the flexibility of the notation impose a limitation on the degree of minuteness to which the classification can be carried. On account of the far greater flexibility which the notation of the Colon Classification possesses, the classes in the Colon Classification are capable of being worked out to a far greater degree of minuteness. We have seen, in the *Five laws of library science,* that practically every Law of Library Science demands that the classification should be as minute as possible. The Colon Classification satisfies the demands of the Laws of Library Science much more closely than any other scheme, as a result of the Colon Device. This can be realised by comparing some of the Class Numbers and their subdivisions according to the Colon Classification with the corresponding Class Numbers and their subdivisions according to any other scheme of classification. Some account of such comparison will be found in the *Prolegomena to library classification.*

The Colon Device automatically secures conformity to the Canon of Consistent Order and the Canon of Mnemonics. Further the Colon Notation satisfies the Canon of Hospitality in Chain to a much greater degree than the bare Decimal Notation. This implies that the Colon Notation furnishes a method for the individualisation of subjects to a

degree that is not possible with the bare Decimal Notation, as illustrated in pp. 106 to 114 & 261 to 265 of the *Prolegomena to library classification.*

6101 It may be stated explicitly that rule 61 implies that a Colon is not to separate the number based on the first train of Characteristics from the Main Class Number.

6102 So also a Colon is not to separate the number based on the first train of characteristics from the Canonical Division Number of a Main Class. (*Vide* the beginning of the Schedules of B Mathematics, C Physics, H Geology, M Useful Arts, N Fine Arts, R Philosophy and Y Social Sciences for examples).

6103 Similarly a Colon is not to separate the number based on the first train of characteristics from a chronologically amplified Main Class Number. (*Vide* the end of the Schedules of S Psychology and X Economics for examples.)

611 In cases where the number on the left side of a colon has no chance whatever for expansion, the colon may be omitted and taken as understood.

This provision is introduced to secure economy of notation wherever possible. The rule for omission of the colon will become operative only if no ambiguity is likely to arise in the ordinal arrangement of the Class Numbers, as a result of the omission. The rules devoted to the classification of the different subjects will generally state when the colon may be so omitted.

The following are some illustrations. Colon is to be omitted between the Form Number and the Author Number in the Main Class 'O Literature' and the Stage Number and the Problem Number in the Main Class 'P Linguistics'.

612 It may be further stated that the numbering of the Classes based on any characteristic is made in conformity to the 'Unscheduled Mnemonics' explained in pp. 129 to 134 of the *Prolegomena to library classification.* This secures a better satisfaction of the Canon of Mnemonics.

613 It will be seen that the enumeration and the numbering of the classes based on any characteristic are made on the "Octave Principle" enunciated in pp. 100-102 of the *Prolegomena to library classification.* This secures complete satisfaction of the Canon of Exhaustiveness and the Canon of Hospitality in Array. The hospitality is really infinite.

62 The Geographical Device

62 The Geographical Device consists in using the appropriate Geographical Number for the further subdivision of a class which is capable of geographical division or when the individualisation of the subclasses may be made to depend con-

veniently on the place of origin or on the place of prevalance or on the place of habitation or on the place that may be definitely associated with the respective subclasses in any other manner or for any other reason. The cases where this device may be applied are generally indicated either in the Schedules of Classification in Part II or in the Rules of Classification in this Part.

We have already seen in Chapter 2, that certain of the Common Subdivision digits can be amplified by the Geographical Device. For example, Rules 2*b*, 2*c*, 2*d*, 2*l*, 2*m*, 2*n*, 2*r*, 2*r*, 2*s*, 2*t*, 2*u*, and 2*v* provide for the amplification of the Common Subdivision digits *b*, *c*, *d*, *l*, *m*, *n*, *r*, *r*, *s*, *t*, *u*, and *v* by the Geographical Device. Again in the language table given in Schedule 4 of Part II, it will be seen that the languages not belonging to the Indo-European, the Semitic or the Dravidian families are to be individualised by the Geographical Device. Also, Rule 41 of Chapter 4 of this Part utilises the Geographical Device for individualising certain languages belonging even to the three families mentioned above.

Again Rules P101 and P105 of Chapter P of this Part utilise the Geographical Device for the individualising of dialects and jargons. The Geographical Device is also employed to individualise certain religions as can be seen from Schedule Q of Part II and from Chapter Q of this Part. It is needless to multiply examples at this stage.

The Geographical device automatically secures conformity to the Canons of Consistent Order, Helpful Order, Local Variation, Hospitality in Array, Hospitality in Chain and Mnemonics.

63 The Chronological Device

63 The Chronological Device consists in using the appropriate Chronological Number for the further subdivision of a class, which is capable of chronological division or when the individualisation of the subclasses may be made to depend conveniently on the period of origin or birth or on the year of first investigation or on the year of discovery or on the year of initiation or commencement or on the year of occurrence or on the year that may be definitely associated with the respective subclasses in any other manner or for any other reason. Some of the cases where this device may be employed are generally indicated either in the Schedules of Classification in Part II or in the Rules of Classification in this Part. Similar cases where it may be employed, will suggest themselves in the course of actual classification.

631 The chronological number is to be worked out to the century, decade, year or month as specified in the respective

rules or, if there are no specific rules on the point, as may be most appropriate.

632 The epoch which is to be used to construct the chronological number will be that which is specified in the concerned rules or schedules or, if it is not so specified, that which may be most appropriate.

633 Except as otherwise stated and particularly subject to the rules of Chapter 2 of this part, when more than one entity are related to one and the same year and would otherwise get the same Class Number by the Chronological Device, that year is to be used to construct the Chronological Number for one of the entities and some vacant neighbouring years are to be used respectively to construct the Chronological Numbers of the other entities.

634 If no neighbouring year is vacant to make the application of rule 633 convenient, in the case of the second, third, etc., entities, the number 1, 2, etc., respectively is to be added to the Chronological Number arrived at by rule 632.

We have already seen in Chapter 2, that some of the Common Subdivision digits may be amplified by the Chronological Device. For example, Rules 2*a*, 2*b*. 2*c*, 2*d*, 2*j*, 2*l*, 2*m*, 2*n*, 2*p*, 2*q*, 2*t*, 2*u*, 2*v*, 2*w* and 2*x* provide for the amplification of the Common Subdivision digits *a*, *b*, *c*, *d*, *j*, *l*, *m*, *n*, *p*, *q*, *t*, *u*, *v*, *w* and *x* by the Chronological Device. The schedules in Part II contain many examples in which this device is usefully employed. The great hospitality which this scheme gets by this device is illustrated in the individualisation of special forms and functions in 'Mathematics,' in fixing the Author Numbers in 'Literature,' in the classification of universal languages in the schedule of language classes given in schedule 4 of Part II, in the classification of religious sects, in the classification of the different schools of 'Psychology' and 'Education' and in many other instances, which it would be unnecessary to list here exhaustively.

The Chronological Device automatically secures conformity to the Canons of Consistent Order, Helpful Order, Hospitality in Array, Hospitality in Chain and Mnemonics.

64 The Favoured Category Device

64 The Favoured Category Device consists in individualising a few, not more than nine or eighty-one categories, as may be prescribed, about which a larger number of publications exist or may be reasonably expected to come forth, by the digits 1, 2,...9 or 11, 12...19, 21, 22,...29,...91, 92, ...99, whereas the other categories of its class are to be indivi-

dualised by some other device. The cases where this device may be applied are generally indicated in the Schedules of Classification in Part II.

This rule is intended to economise in notation in Classes in which a large number of publications may be expected. Incidentally it also gives priority in the shelf arrangement for popular classes. This device is employed at different stages in almost every subject. Illustrative divisions by the Favoured Category Device are given in various schedules in Part II. To quote one example here, in the Subject Division 'J Agriculture' 38 is the Number for Cereals and other seeds that are primarily produced for human consumption. Since rice is the most popular cereal, wheat comes next in popularity and so on, the number for rice is 381, that for wheat is 382 and so on, for the nine most popular cereals and food seeds.

65 The Classic Device

65 The Classic Device is employed for bringing together the different editions of a classic in a class, the different editions of each of its commentaries, the different editions of each of the subcommentaries of each of its commentaries and so on and of securing that the group of subcommentaries of a commentary is in juxtaposition to the commentary, that the group of commentaries of a classic is in juxtaposition to the classic and that the group formed of each classic and its associated commentaries is in juxtaposition to the groups of the other classics of the same class.

651 The Classic Device consists in putting the digit x after the number representing the ultimate class to which the book should be otherwise assigned, and amplifying the digit x by the Favoured Category Device or the Chronological Device to individualise the classic or the classical author concerned. The amplified x may be termed the *Classic Number*. The commentaries are indicated by amplifying the corresponding Classic Number by the Favoured Category Device or the Chronological Device. This amplifying number may be termed the *First-order Commentary Number*. The subcommentaries of a commentary are indicated by amplifying the corresponding First-order Commentary Number in a similar way. This amplifying number may be termed the *Second-order Commentary Number* and so on.

The Classic Device secures conformity to the Canon of Classics.

The problem that the Classic Device seeks to tackle is frequent in the case of classical works written in Sanskrit. A reference to the illustrative

divisions by the Classic Device forming part of the Schedules L, O, P, Q and R of Part II will show how widespread this problem is. There are also some cases of occidental classics—such as Burke's works in Politics, some of the Classics of International Law, the Greek and the Latin Classics —which may more conveniently be grouped by the Classic Device.

One result of the application of the Classic Device is that the classic becomes a class by itself and hence its different editions come together, with the Book Number differentiating them. In the case of a classic, several editions are likely to appear even at distant dates. But for this device, they will get scattered and intermingled with other ordinary books in the same class. Such an intermingling is bound to be revolting to the mind of the readers. It is certainly not desirable that Aristotle's *Poetics* or Dandin's *Kavyadarsa* should be indiscriminately clubbed with the ordinary modern books on literary criticism. Nor will it be happy to interpolate Sankaracarya's works on Indian Philosophy with the modern text-books on Indian Philosophy.

It not infrequently happens, particularly in works in the Sanskrt language, that the classic gets many commentaries which themselves become classic and get many editions and many subcommentaries. All the Laws of Library Science will be best served if and only if the whole family of commentaries and subcommentaries are grouped together and placed next to the different editions of the classic itself. Usually the commentaries and the subcommentaries carry forward the theories contained in the classic. This carrying forward is done step by step in the hierarchy of commentaries and subcommentaries. Hence the happy grouping of a classic with its commentaries and subcommentaries brought about by the Classic Device, incidentally arranges the books in the proper evolutionary order. This adds greatly to the convenience of the readers —nay, it is even educative.

It may be stated here that the use of the digit *x* in the Classic Device is not in any way in conflict with the use of the same to indicate *collected works*. As a matter of fact the one use is but a natural and consistent extension of the other.

652 The Favoured Category Device or the Chronological Device is to be used to amplify the digit *x* to indicate either a specific classical work or a specific classical author.

653 The Favoured Category Number or the bare or amplified Chronological Number used to represent the author may be termed the AUTHOR NUMBER.

654 If there be only one work of a classical author, the Class Number constructed by Rule 652 will also stand naturally for the only specific work of his.

655 If there be more than one work of a classical author, a colon is to be put after the Author Number and a WORK NUMBER is to be added thereafter. The method of construct-

ing the WORK NUMBER is the same as that given in Rule 74 of Chapter 7 of this Part.

656 Rules 652—655 are applicable to the construction of the Commentary Numbers also.

It may be stated here that commentary is to be differentiated from criticism. A commentary usually carries the theory of the classic forward and gives some substantial new theory or information; but a criticism does not do so. Again, criticism is to be differentiated from annotation. A criticism gives an estimate and an appreciation or depreciation of an author or his work, as the case may be. But an annotation does not do so. It merely takes the form of short notes elucidating obstruse or difficult points in a work.

66 The Subject Device

66 The Subject Device consists in using appropriate Class Numbers for the further subdivision of a class which is capable of such subdivision or when the individualisation of the subclasses may be made to depend conveniently on a Class Number that may be definitely associated with the respective subclasses in any manner or for any reason. The cases where this Device may be applied are generally indicated either in the Schedules of Classification in Part II or in the Rules of Classification in this Part.

The Subject Device secures automatic conformity to the Canons of Consistent Order, Helpful Order, Hospitality in Array, Hospitality in Chain and Mnemonics. This Device is employed at different stages in certain subjects. Many illustrative divisions by the Subject Device are given in the Schedules of Part II for ready reference. Special reference may be made here to the Schedule M, to the *Ethics* part of Schedule R and to the *Functions* part of Schedule W. In some cases, it will be found that the number used for the Subject Device has been modified slightly. But such modifications should not be freely indulged in by individual classifiers.

As the Subject Number used in the Subject Device will begin with a capital letter, and as the Chronological Number will also begin with a capital letter, there may appear to be *prima facie* ground to fear that an ambiguity may arise in the ordinal arrangement of the Class Numbers. But care has been taken to secure that the Chronological Device and the Subject Device do not both become applicable for the further subdivision of a given Class Number.

661 When the Subject Device is used for the further subdivision of a class belonging to any but the last train of characteristics appropriate to the Main Class in question, all the colons in the Class Number to be used for the Subject Device are to be replaced by Zeroes.

662 The classes based on the trains of characteristics appropriate to each Main Class are enumerated in the schedules of Part II. Any of these schedules whose numbers begin with an Arabic numeral may be augmented by the Subject Device with the following provisoes:

(1) the classes belonging to the Main Classes △ and 0 and the Main Classes more concrete (less abstract) than the Main Class that is being subdivided are not to be used in the construction of these extra classes by the Subject Device; and

(2) that the schedule is to be so augmented only if none of the later trains of characteristics prescribed for the Main Class that is being subdivided is applicable to the book under consideration.

Examples:

(1) A:P31*k* is the Class Number for a dictionary of scientific terms in Tamil;

(2) D646:C47 is the Class Number for Harry R. Ricardo's *Engines of high output: thermodynamical considerations*, C47 being the number for thermodynamics;

(3) G1:C is the class number for George Chile's *Phenomena of life: a radio-electric interpretation* which deals with the physics of living organisms;

(4) J:E is the class number for C. Harold Wright's *Agricultural analysis*;

(5) J:1:I23 is the class number for Selman A. Waksman's *Principles of soil microbiology*, where J:1 stands for soil and I23 for bacteriology or microbiology;

(6) L:Z is the class number for Thomas A. Gonzales's *Legal medicine*;

(7) △:R is the class number for Thomas Hywel Hughes's *Philosophic basis of mysticism;*

(8) Y:X76r3 is the class number for the report of the British Treasury entitled *Public social services; total expenditure under certain acts of Parliament during the financial years, etc.*; and

(9) Y:Z3 is the class number for John J. Clarke's *Social administration including the poor laws* which deals with the statutory and executive laws and regulations of Great Britian for the working of Social Services.

Rule 613 refers to the Octave Principle that is followed in constructing the schedules. Rule 661 may be said to augment the sche-

dules to the *last octave.* The appropriateness of the term *last octave* may be shown as follows:

The numbers in the successive octaves will be:
Octave of first rank 1, 2, 3, ... 7, 8
Octave of the second rank 91, 92, 93, ... 97, 98.
Octave of third rank 991, 992, 993, ... 997, 998.
An octave of infinite rank 99...91, 99...92, 99...93, 99...97, 99...98.

In each of the numbers of the infinite rank the number of nines is infinite. The numbers in an octave of infinite rank each of whose numbers contains an infinity of digits cannot be practically applied.

But such an octave is by no means the last! Since A is ordinally greater than 9 the set (octave)

A, B, C...Z,

though each of its numbers has only one digit, must succeed all the infinity of octaves whose numbers begin with 9. Since there is no number ordinally greater than Z the A...Z set (octave) may be taken as the last.

It can also be seen that the set (octave)
9A, 9B, 9C,...9Z
is the penultimate octave, the set
99A, 99B, 99C,...99Z
is the last-but-two and so on.

This principle of augmenting any schedule by the Subject Device has been provisionally named the "Last Octave Principle". Discovery of it was made possible only by the critical exploration and reconstruction of the foundations of the theory of classification in the *Prolegomena to library classification.* It occurred only in June 1938 after the book had been published and so could not be mentioned in it.

This new principle has considerably increased the hospitality of the scheme and has led to a more complete and productive application of the Canon of Mnemonics. It has also another advantage. While theoretical provision for an infinity of octaves has been made, those whose numbers have a small number of digits and are of practical use appear at the two ends of this infinite scale and inapplicable octaves with numbers of a large or infinite number of digits lie in the middle. In other words, the notation has enabled us, so to speak, to bend the infinite scale and get hold of the two ends though the middle extends beyond reach to infinity. The immense potentiality of this awaits fuller exploitation.

Some specialisation also has been made in the use of the two ends. The octaves at the nearer end are used for divisions that are *Specific* to the Main Class under consideration and the last octaves, for divisions of a more *fundamental* and *general* nature.

Take for example the schedule of Operations as applied to the class 'J:1 Soil' in the Main Class 'J Agriculture'. Reference to chapter J

of Part II will show that the divisions in the first octave *viz.* '1 Reclamation', '2 Levelling', '3 Bunding', '4 Ploughing', '5 Harrowing' and '6 Crushing' are operations *specific* to farming, that are of immediate interest to and fall within the direct sphere of the farmer. The second octave will consist of '91 Nomenclature' and so on.

But the last octave will be 'C Physics of the soil', 'E Chemistry of the soil', 'I21 Bacteriology of the soil', etc. These are obviously problems of a *fundamental* nature. The farmer's interest in them is only indirect; for he cannot as a rule deal with these problems himself: he must use the findings of specialists in the fundamental sciences concerned.

663 A similar principle which may be called the "Penultimate Octave Principle" is to be used to augment a schedule by the Subject Device when the numbers of the schedule begin with a capital letter, *i.e.*, are constructed *ab initio* by the Subject Device or the Chronological Device. This augmentation also is subject to the same provisoes as those for the Last Octave Principle.

Examples:

1. A. B. Keith's *Introduction to British constitutional law* is to be given the Class Number V3:29Z by the Penultimate Octave Principle; and not V3:2:Z by the Last Octave Principle, as the third train of characteristic in this Main Class 'V History' is the chronological one, the numbers of whose classes, therefore, begin with a capital letter. As a matter of fact V3:2:Z would mean the constitutional history of Great Britain brought up to 3000 A.D. and not British constitutional law.
2. A statistical study of an educational curriculum is to be given the Class Number T:44:9B28 by the Penultimate Octave Principle and not T:44:B28 by the Last Octave Principle, as the third train of characteristice to be used in the Main Class 'T History' when the problem is '44 Curriculum' is the Subject one, the numbers of whose classes, therefore, begin with a capital letter. As a matter of fact T:44:B28 will mean Curriculum in Statistics and not a statistical study of curriculum.

Perhaps the only regions where the Penultimate Octave Principle is applicable are those covered by the above two examples.

67 The Alphabetic Device

67 The Alphabetic Device consists in using the initial letter, or the initial letter amplified, of the name of the substance or any other appropriate entities, for the further subdivision of a class of substances or entities.

671 If more than one substance or entity have the same initial letter, their initial letters may be amplified by the addition of the numbers 1, 2, 3, etc., respectively.

This device is to be used only in rare cases where no other method of subdivision is practicable. The Schedules in Part II and the Rules of this Part indicate the places where this Device has to be used. To give a few specific examples here, in dividing the Crop Numbers in the Subdivision *Agriculture*, the Alphabetic Device is recommended to be used after the Favoured Category Device is exhausted. There are likely to be many crops dealing with a given class. It is not practicable to indicate these crops in any other way.

So also when the number for the *Bacterial Diseases* of an organ exceeds 8 the only available course is to apply the Alphabetic Device to indicate the diseases that are not indicated by the Favoured Category Device.

68 The Bias Number Device

68 The Bias Number Device is employed for bringing together such of the books in a class as are written with a special bias to some other class or from a special point of view that can be associated with some other class, or for the use of special class of readers whose primary interest of study is in some other class, or as have some other special relation to some other class. The class to which the book belongs may be termed the 'Basic Class' and its number may be termed the 'Basic Number'. The other class may be termed the 'Bias Class' and its number may be termed the 'Bias Number.'

681 The Bias Number Device consists in amplifying the 'Basic Number' by the addition of the digit 0 followed by the appropriate 'Bias Number'.

682 Both the 'Basic Number' and the 'Bias Number' are to be worked out as fully as may be appropriate to the book.

A few examples may be given here to illustrate the use of this device. But the rules given in Chapters B and 7 have to be anticipated in giving these examples.

The general text-books of *Mathematics* will have the Class Number B. But it is likely that some of these books are written specially for the use of physicists, engineers, biologists, economists, etc. In the case of such books, the Class Number B may be amplified so as to read B0C, B0D, B0G, B0X, etc., respectively. If such books are not differentiated by the Bias Number Device, they will get intermingled with the ordinary text-books in Mathematics. When an engineer comes and asks for a mathematical text-book, the library cannot readily find out the books suited to him.

Take another example. The general books on *Statistics* have the Class Number B28. But some of them are written for the use of engineers, some for the use of psychologists and so on. It will be convenient if such books can be differentiated by amplifying their Class Numbers so as to read B280D, B280S, etc.

Again, the critical books on, say, *Shakespeare,* will have the Class Number O:2J64:9. Some of these may deal with the astronomical knowledge in Shakespeare's works, some may deal with the madfolk of Shakespeare, some may deal with the prosody of Shakespeare, some may deal with his spelling, some may strive to study the words used by Shakespeare in a statistical manner. It would be certainly desirable to divide the critical works on *Shakespeare* so as to put all these types into different subgroups. This can be done by amplifying the Class Number O:2J64:9 by the Bias Number Device so as to read respectively as follows:—

O:2J64:90B9
O:2J64:90Y163
O:2J64:90P
O:2J64:90P:18:3
O:2J64:90P::30B28

It may be seen that, in the last example, the Bias Number Device has been used twice. Of course, in such cases, the Class Number is drawn out to an apparently inordinate length. *Such a thing will happen only in a few specialised monographs of a very intensive nature.* If the length of the Class Number in the case of such specialised monographs is to scare us away from the Bias Number Device, the result will be that such monographs will get promiscuously mixed up with a number of other books and monographs not so specialised. If so, either they will practically be lost to the readers or the readers will have to spend an unduly long time to spot them out. Either result is against the spirit of the Laws of Library Science.

This device is designed to satisfy the Canon of View Point.

683. The Auto-Bias Device is employed to lengthen the chain (to subdivide a class) which ends with a particular class in a schedule by further subdividing the class (not in the way in which it is subdivided in the schedule itself, *i.e.,* not on the basis of the characteristic used in the schedule for subdividing that particular class) on the basis of the characteristic used for the formation of other classes in the same schedule. The concepts 'Basic Class', 'Basic Number', 'Bias Class' and 'Bias Number' developed in rule 68 hold good for this purpose also.

6831 The Auto-Bias Device consists in amplifying the number by the addition of the digit '—', (dash) followed by the appropriate 'Bias Number'.

The genesis and the use of this device is explained in detail in pp. 114-116 of the *Prolegomena to library classification.* A few examples may, however, be given here:—

(1) In the schedule of classes based on the train of organ characteristic in the Main Class 'L Medicine' we have the class '13 Lower extremities' divided into '131 Toes, 132 Feet, etc'. We have also the division '73 Nerves'. Now the class 'Nerves of the lower extremities' may be numbered 13-73.

(2) In the schedule of classes based on the train of problem characteristic in the main Class 'U Geography' we have the class '287 Climate' and '3 Biogeography'. Now the class for bioclimatics may be numbered 3-287.

(3) Again in the schedule of classes based on the train of 'Group characteristic' in the class 'Y1 Sociology' we have the classes '15 Women' and '53 Middle class'. The sub-class 15 is derived from the class using Age and Sex as the characteristic; on the other hand, the subclass 53 is derived from the class 5 using Birth or Status as the characteristic. Now the class 'Middle class women' may be numbered 15-53.

The use of the Auto-Bias Device leads to a fuller satisfaction of the Canons of Hospitality in Chain and Mnemonics.

69. Before concluding this chapter and entering into the special rules belonging to the different Main Classes, it may be well to recollect that four methods are available for subdividing any class, *i.e.*, for increasing the intension:

(1) Using the subdivisions given in the concerned schedule;

(2) Applying the Principle of Last Octave explained in rule 662;

(3) Using a Common Subdivision as provided in chapter 2; and

(4) Using the Bias Number Device explained in rule 68 and its subdivisions.

Occasions may arise, particularly in the experience of beginners, when there may be an apparent ambiguity or conflict of choice between these four methods. Perhaps it may be well to state here a 'remembrancer' that had been developed in teaching the subject to the students of the School of Library Science:—

I am used to call

the divisions occurring in the schedules of Part II 'current income';

the divisions obtained by the Principle of Last Octave 'bank balance';

the common subdivisions 'ancestral property'; and

the division obtained by the Bias Number Device 'borrowed capital'.

The instruction to the beginners is usually put as follows:

"You should not draw from the bank balance until your current income is spent out. Nor is it proper that you should draw from ancestral property until the bank balance of your self-earned income is

exhausted. Lastly you should never think of borrowing until you satisfy yourselves that the needs really go beyond the capacity of current income, bank balance and ancestral property''.

The conflict between the Bias Number Device and the Principle of Last Octave may appear to be more irresoluble. The following examples will indicate how it should be resolved:

(1) A text book of economics which expounds the different parts of the subject in a way that is best suited to the students of statistics is to be given the Class Number X0B28. But a book in which economic problems are studied by the application of statistical methods is to be given the Class Number X:B28.

(2) Similarly a general book on medicine which describes the human body in a way that is most suited to the students of chemistry (bio-chemistry) is to be given the Class Number L0E. But a book that expounds the chemical actions that take place in the human body (physiological chemistry) is to be given the Class Number L:E.

(3) Lastly let us take the case of an agricultural engineer. It is necessary for him to have some knowledge of agriculture though not with equal emphasis on every aspect of it. A book which expounds agriculture generally with special emphasis on such branches as the agricultural engineer should specially note is to be given the class number J0D. But a book is to be given the Class Number J:D if it deals with the engineering problems that arise in an agricultural farm, *e.g.*, putting up farmers' huts, estimating the capacity of barns or erecting the same, mending of agricultural tools and perhaps even making simple tools, surveying and levelling of fields, estimating and calculating quantities for earthwork, working and repairing a mechanical water lift or an electrically driven pump and so on.

7 LITERATURE

The subjects *Literature* and *History* have been taken out of their places and the rules for classifying them are given first, as these subjects are likely to be of interest to a much larger number of people than the other subjects. It is proposed to give the rules for their classification in a very detailed manner so as to bring out most of the underlying principles. The rules for the classification of the other subjects are not given in such a detailed manner. Many things are left to be supplied by the classifier on the analogy of the Rules for *Literature* and *History*.

70 Four trains of characteristics are to be used for the subdivision of 'Literature,' *viz.*, Language or 'L', Form or 'F', Author or 'A' and Work or 'W'.

Apart from the Last Octave Divisions, the Common Subdivisions and the Bias Divisions that may be applied to 'Literature' or to the subclasses of 'Literature,' the special subdivisions of 'Literature' are to be based on the four trains of characteristics mentioned in the rule. The connotation of the terms used in the schedules will become clear in the succeeding rules.

701 The four trains of characteristics, forming the basis of classification of 'Literature,' are to be taken in the order 'L', 'F', 'A', 'W'.

A simple calculation will show that there are twenty-four ways of taking the four trains of characteristics in order. The problem is to decide which of these twenty-four possible orders will be the most convenient for those who use the books. It is only the experience of libraries that can give the necessary information about it.

The order suggested by the rule has been found to be quite convenient. The result of this order may be put as follows:—

We shall imagine all the 'Literature' books divided according to their languages and we shall imagine a separate building for the literature of each Language. A reader, interested, say, in English literature will have to go into the 'English' building, so to speak. On entering the building he will find that all Poetry is put in one room, that all Drama is put in another room, all Fiction put in a third room, and so on. Let us assume that the reader is interested in Drama and that he enters the 'Drama' room. There we may imagine that he will find several cupboards each devoted to a Dramatist. If the cupboard, pertaining to any Dramatist, is opened, he will find that each shelf is

devoted to one work of the Dramatist. In that shelf all the editions of that work and all the criticisms of that work will be found arranged in a convenient order. Roughly speaking this is the result of taking the four trains of characteristics in the order given by the rule. One can easily construct a similar picture for the other possible orders of the trains of characteristics and satisfy oneself about the fitness of the particular order prescribed by the rule.

71 Language Number

710 The digit or digits of the language, to the literature of which the book belongs, or about the literature of which the book treats are to be placed immediately after the digit '0'. This group of digits may be termed the 'Language Number.'

For example, Kalidasa's *Sakuntala*, which belongs to Sanskrt literature, is to be given the language number appropriate to Sanskrt. S.M. Natesa Sastri's *A review of Sakuntala*, though it is in English, is to be given the language number appropriate to Sanskrt and not English, because it treats about *Sakuntala* which belongs to Sanskrt literature This may be stated in the form of an inequality, *viz.*,

Language of Work (is not equal to)
≠Language of Book

This may be called Language Inequality for convenience of citation.

7101 The Language Number is to be taken from the Language Classes given in Schedule 4 of Part II.

7102 In the case of the literature in the Favoured Language, the Language Number may be taken as understood and need not be actually written.

This rule is intended to economise in notation.

711 If a book contains or treats about the literatures of more than one language, no Language Number is to be put.

712 In the case of books treating about the mutual relations of the literatures in more than one language, the Most Popular Language is to be used to construct the Language Number.

72 Form Number

72 A colon is to be put after the Language Number or after '0' according as the language used to construct the Language Number is not or is the Favoured Language.

72*a* If a book does not admit of classification on the basis of the language characteristic, colon need not be placed after 0.

72*b* In the Main Class 'Literature', a Class Number without a colon in it has precedence over all Class Numbers with a colon in them.

720 The digit of the Form of literature which the book contains or about which the book treats is to be put immediately after the colon mentioned in Rule 72. This may be termed the Form Number.

7201 The symbols and the corresponding Form Classes are given in Schedule O of Part II.

The terms used in the Schedule of Form Classes are by no means definite. Nor can we say that the term 'Literature' itself is quite definite. Overlooking for the time being, the general meaning of the word 'Literature', *viz.*, the body of writings produced in a particular country or period or in a particular subject, the restricted meaning that the big Oxford Dictionary gives is as follows:—"Writing which has claim to consideration on the ground of beauty of form or emotional effect". Taking the term 'Poetry' the definition which the Oxford Dictionary gives is as follows:—"Composition in verse or metrical language, or in some equivalent patterned arrangement of language; usually also with choice of elevated words and figurative uses, and option of a syntactical order, differing more or less from those of ordinary speech or prose-writing". The Dictionary adds under this a note to the following effect:—In this sense, poetry in its simplest or lowest form has been identified with versification or verse. This raises the question whether we should classify under 'Poetry' every thing in verse. We find that even scientific treatises of medieval India such as treatises in Mathematics, Natural Science and so on, are in Sanskrt verse. Certainly such books are not to be classified as 'Poetry'.

Evidently to exclude such versifications whose primary interest is the exposition of technical matter, the Dictionary adds another meaning to 'Poetry' in the following words:—"With special reference to its functions: The expression or embodiment of beautiful or elevated thought, imagination or feeling, in language adapted to stir the imagination and emotions, both immediately and also through the harmonic suggestions latent in or implied by the words and connections of words actually used, such language containing a rhythmical element and having usually a metrical form". As if to render such a definition still more indefinite, the Dictionary adds, "The term, is sometimes extended to include expression in non-metrical language having similar harmonic and emotional qualities (Prose-Poetry)".

The definition of the term 'Drama' is equally difficult. As for the term 'Fiction' the Oxford Dictionary defines it as, "The species of literature which is concerned with the narration of imaginary events and the portraiture of imaginary characters ... now usually prose novels and stories collectively".

From these authoritative definitions, it can be seen that, in the case of many border-line books, it will be difficult, even for experts in the field, to assert whether they should be put in the class 'Literature' and if so in what Form Division of literature. In such border-line cases the classifier is to be guided by the consensus of public opinion among students of literature. But in the majority of cases the appropriate Form Division can be decided without much difficulty.

With regard to the Form Class 'Letters' special attention should be paid to the notes attached to that class. The private correspondence of authors is not to be put under this Form Class but should really go with the biography of the author. It is only works like 'Chesterfield's *Letters to his son*' that should come under the Form Class '4'.

The Class Division '6' is not to include literary criticism. It must include only prose as a species of literature, as opposed to poetry, fiction and drama. A book which contains the biography or a criticism of, say, a poet will be given the Form Number for poetry, as it treats about poetry. Similarly a book which contains the biography or criticism of a dramatist will be given the Form Number for Drama as it treats about drama and so on.

Here also we must remember what may be called Form Inequality, *viz.*

Form of Work (is not equal to)
≠Form of Book.

This idea is to be used in the same way as the Language Inequality explained in the commentary on Rule 710.

721 If a book contains or treats about more than one Form Class with equal emphasis, no Form Number is to be put.

This rule is applicable to history, criticism, etc., of literature in general. It may also be applicable to books which contain selections from all forms of literature. A book that does not admit of division on the basis of 'F' characteristic cannot be divided on the basis of 'A' characteristic or 'W' characteristic.

73 Author Number

73. A colon need not be put after the Form Number.

Since, by the Rules 720 and 7201, the Form Number will always consist of a single Arabic numeral only, no ambiguity is likely to arise by not inserting the colon.

730 The number of the author of the literary piece or work which the book contains or about which the book treats or of the literary author about whom the book treats is to be placed immediately after the Form Number. This group of digits may be termed the Author Number.

If the book is a biography or a criticism of, say, a poet, it is the poet who will determine the Author Number and not the author of the biography or criticism. For example, in the case of 'G. K. Chesterton's *Innocence of Father Brown*' Chesterton will determine the Author Number but in the case of the book 'G. K. Chesterton's *Charles Dickens*' it is Dickens and not Chesterton that will determine the Author Number. In other words, we must recognise what may be termed Author Inequality, *viz.*,

Author of Work (is not equal to)
≠Author of Book

7301 The Author Number is to be constructed by the Chronological Device, the Chronological Number being worked out to three digits and the year of birth of the author being used as the epoch.

The arrangement of the authors, belonging to a particular Form Class, may be made either alphabetically by the name of the author or chronologically; in other words, the name of the author and the date of the author are two alternative characteristics which can be used for classifying the books in any given Form Class. But it can be easily seen that the name of the author is, in a sense, an accidental characteristic. On the other hand, the needs of students of literature will be better met if the chronological order of the authors is made the basis of classification.

Assuming that the authors should be classified on a chronological basis, there are three main epochs which can be made the characteristics of classification:—

1. The date of birth of the author;
2. The date on which his first literary work was published—the date of his literary birth, so to speak; and
3. The date of death of the author.

Of these, the last is not a practicable one, since the date of death of contemporary authors is an unknowable entity. While the date of literary birth will be the most suitable, this characteristic is not definite. It cannot be easily ascertained and there is likely to be difference of opinion about it. They do not satisfy the Canon of Ascertainability. Hence, the rule uses the date of birth of the author to construct the Author Number.

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The following books will be of use in finding the dates of authors:—

Language	Name of the book
English	(1) The Index Volume of the *Cambridge history of English literature.* (2) The Index Volume of the *Dictionary of national biography.* (3) *Who's who.* (4) *Who's who in literature.*
Sanskrt	.. KEITH (A. B.). *A history of Sanskrit literature.*
Tamil	.. POORNALINGAM PILLAI (M. S.). *A primer of Tamil literature.*
Telugu	.. VEERESALINGAM PANTHULU (K.). *Complete works,* V. 10, Pt. 1, *Lives of Telugu poets.*
Kanarese	.. NARASIMHACHARYA (R.). *Karnataka kavicarite.*
Persian	.. BROWNE (E. G.). *Literary history of Persia.*
Urdu	.. RAM BABU SAKSENA, *History of Urdu literature.*

Similar sources can be found for authors in other languages.

In Medieval Sanskrt Literature and similar cases, the exact year of birth of the author may not be found. In such cases it would be sufficient if care is taken that the relative order of the authors is properly secured. The Author Number is to be worked out to some arbitrary year so as to be in consonance with the relative order. Similarly, if the year of birth cannot be definitely ascertained in other cases, the most probable year is to be used. In the case of living authors, it can be ascertained by addressing them personally, if not ascertainable otherwise.

In the case of certain Ancient Sanskrit and Tamil works, there appears to be no means whatever of conclusively fixing even their centuries (or millennia!). Hence, a special illustrative schedule of some of these classics is given in Schedule O of Part II, where the numbers are worked out by a modified form of Chronological Device.

An author is likely to belong to more than one Form Division. In such cases, it will be an advantage if care is taken to see that he gets the same Author Number in each Form Division.

731 If a book belonging to a specific Form treats about more than one Author or contains or treats about a work or works of more than one Author, no Author Number is to be put.

This rule is applicable to history, criticism, etc., of the specific Form, in general. It may also be applicable to books which contain selections from several Authors. A book that does not admit of classification on the basis of 'A' Characteristic will not admit of classification on the basis of 'W' Characteristic.

74 Work Number

74 A colon is to be put after the Author Number.

740 The digit or digits of the work contained or treated about in the book is to be placed immediately after the colon succeeding the Author Number. This group of digits may be termed the 'Work Number'.

Here also we should remember what may be termed Work Inequality, *viz.*

Work (is not equal to)≠ Book

This idea is to be used in the same way as the Author Inequality explained in the commentary on Rule 730.

7401 The Work Number is to be constructed as follows:

(*a*) If the number of works of the author does not exceed eight, the works are to be arranged in chronological order or, if it is impossible, in any arbitrary order, and the numbers 1, 2, 3, ... 8, respectively are to be assigned to the works.

(*b*) If the number of works of an author is greater than eight but does not exceed sixty-four, the works are to be arranged in chronological order or if it is impossible, in some arbitrary order and they are to be divided successively into groups of eight each, and the numbers 1, 2, 3, ... 8, respectively are to be assigned to the groups. Such a number may be termed the Group Number. Then to get the actual Work Number of the works in any group, numbers 1, 2, 3,...8 respectively are to be put after the Group Number; thus, each Work Number will consist of two digits, the first digit indicating the group into which the book falls and the second indicating the work in the group.

(*c*) If the number of works is greater than sixty-four but does not exceed 512, the same device may be extended. That is, the Work Number will consist of three digits the first digit showing the major group of 64 works into which the work falls, the second digit showing the subgroup of the major

group into which the book falls, and the third digit indicating the work in the subgroup.

e.g., In the case of an author whose number of works does not exceed eight, the Work Number of the 6th will be '6', that of the 7th will be '7' and so on.

In the case of an author, the number of whose works is greater than eight but does not exceed 64, the 6th work will have the number '16', 7th will have '17', the 15th will have '27', the 16th will have '28', 54th will have the number '76', the 63rd will have the number '87' and so on.

741 If a book contains or treats about more than one work of an Author, no Work Number is to be put.

This rule is applicable to the criticism, bibliography, title index, line index, concordance, etc., of the Author or his works. It may also be applicable to the Author's collected works and to selections from his works.

A translation of a work will get the Class Number of the work itself. The fact that it is a translation and the language into which it is translated will be indicated automatically by the Language Part of its Book Number.

78 Special Notes on Common Subdivisions

78 In addition to and in slight modification of the Common Subdivisions given in Schedule 2 of Part II and explained in Chapter 2 of this Part, the following special Common Subdivisions also may be used for subdividing the classes in Literature.

c Index of titles of works.

e Index of first lines.

78*a* If a Common Subdivision Number, other than a bare or amplified ' :9' is applied directly after the Language Number, the Language Number and the Common Subdivision Number are to be separated by a colon.

The object of this Rule will become clear if it is read with Rule 72*b*. However, the exclusion of the Common Subdivision Number ':9' from the operation of this Rule needs a word of explanation. If it is not excluded two colons will separate the digit '9' and the language Number. Hence its exclusion is merely to avoid the occurrence of two consecutive colons. A result of this is that books that deal with the general criticism of the literature in a language will come after all other subclasses of the literature of that language. This is not a very natural position for such books. On the other hand, the retention of the two colons, that is bringing the Common Subdivision Number ':9' also within

the purview of this Rule, would bring such books on general criticism before the Form Classes begin. This is, no doubt, a more appropriate place for such books. Thus the choice is between tolerating two consecutive colons and taking the general criticism books outside their natural position. A library may choose one of these alternatives and stick to it.

78*x* In the case of a selection from a particular point of view, *x* is to be amplified by the Bias Number Device and not by the Chronological Device.

78:90 ':9' may be termed the Criticism Number.

78:901 When the Criticism Number is applied to a Class Number which has not admitted of division on the basis of the Language characteristic, the colon digit in the Criticism Number is to be omitted.

The object of this Rule will become clear if it is read with Rule 72*b*.

78:91 If the Criticism Number is applied to a Class Number which does not include the Author Number and if the book gives critical studies of individual authors as its main purpose, it is to be amplified by the Chronological Device, the Chronological Number being worked out to two digits and the decade of birth of the youngest of the authors, a study of whom is included in the book, being used as the epoch.

78:911 If the main purpose of the book is not that of giving critical studies of individual authors but that of giving an exposition of the principles of criticism, the Criticism Number is not to be amplified by the Chronological Device.

The Criticism Number may, if necessary, be amplified by any appropriate Common Subdivision Number. Notwithstanding anything to the contrary contained in the Rules of Chapter 2, a further amplification of an amplifying Common Subdivision digit by the Chronological Device is to be made, wherever necessary, even if the Author Number occurs before the Criticism Number.

This provides for the classification of subjects like Bibliographies of Literary Criticism, Periodicals on Literary Criticism, History of Literary Criticism, Biographies of Literary Critics, Collected Works of Literary Critics and so on.

If we have a book, say, on the life of a Shakespearean critic, the critic being primarily associated with Shakespearean Criticism and not with any other subject and assuming that his date of birth is 1857, according to this Rule, it would get the Class Number 0:2J64:9*w*M57. According to Rule 2*w* however, the Chronological Number M57 is not

to be applied as a Chronological Number *viz.*, J64 has already occurred in the Class Number. But it can easily be seen that such a course will not differentiate the biographies of all Shakespearean critics. The second part of this Rule is intended to obviate that difficulty.

78:93 In the case of a biography of an author, who is assignable to more than one form of Literature, the Form Number part of the Class Number is to be that one with which the author is most associated.

Though Shakespeare and Kalidasa are both dramatists as well as poets they are more associated with Drama. Hence their biographies are to be placed in the Form Division *Drama*. Although Thomas Hardy and Walter Scott are both novelists as well as poets, their biographies are to be placed in the Form Division *Fiction*. Similarly, although G. K. Chesterton is a prose writer, a novelist as well as a poet, his biography is to be placed in the Form Division *Other Forms of Prose*.

The general criticism of an author who is assignable to more than one Form Division is also to be treated in a similar way whenever found necessary.

78:94 In the case of criticism from a particular point of view, ':9' is to be amplified by the Bias Number Device and not by the Chronological Device.

79 The Devices

795 The Classic Device may, if necessary, be applied to any Class Number ending with Criticism Number.

This Rule is particularly applicable in the case of Sanskrt Literary Criticism. An illustrative Classic Device list is given in Schedule O of Part II.

798 *See also* Rules 78*x* and 78:94.

Conclusion

Before concluding this chapter, it may be advantageous to say a few words explaining the practical way in which the number of the ultimate class of a book is to be constructed by the classifier. It has been seen that the Class Number is likely to be of a number of parts, each part consisting of one or more digits. To build up the number part by part or digit by digit, as the case may be, it may be convenient if the classifier puts to himself, at each stage, a set of questions and selects the next digit in the light of the answer to such questions.

It is proposed to give here a picture of the way in which the classifier is to put to himself appropriate questions at different stages and proceed further in the light of the answers received:—

the purview of this Rule, would bring such books on general criticism before the Form Classes begin. This is, no doubt, a more appropriate place for such books. Thus the choice is between tolerating two consecutive colons and taking the general criticism books outside their natural position. A library may choose one of these alternatives and stick to it.

78*x* In the case of a selection from a particular point of view, *x* is to be amplified by the Bias Number Device and not by the Chronological Device.

78:90 ':9' may be termed the Criticism Number.

78:901 When the Criticism Number is applied to a Class Number which has not admitted of division on the basis of the Language characteristic, the colon digit in the Criticism Number is to be omitted.

The object of this Rule will become clear if it is read with Rule 72*b*.

78:91 If the Criticism Number is applied to a Class Number which does not include the Author Number and if the book gives critical studies of individual authors as its main purpose, it is to be amplified by the Chronological Device, the Chronological Number being worked out to two digits and the decade of birth of the youngest of the authors, a study of whom is included in the book, being used as the epoch.

78:911 If the main purpose of the book is not that of giving critical studies of individual authors but that of giving an exposition of the principles of criticism, the Criticism Number is not to be amplified by the Chronological Device.

The Criticism Number may, if necessary, be amplified by any appropriate Common Subdivision Number. Notwithstanding anything to the contrary contained in the Rules of Chapter 2, a further amplification of an amplifying Common Subdivision digit by the Chronological Device is to be made, wherever necessary, even if the Author Number occurs before the Criticism Number.

This provides for the classification of subjects like Bibliographies of Literary Criticism, Periodicals on Literary Criticism, History of Literary Criticism, Biographies of Literary Critics, Collected Works of Literary Critics and so on.

If we have a book, say, on the life of a Shakespearean critic, the critic being primarily associated with Shakespearean Criticism and not with any other subject and assuming that his date of birth is 1857, according to this Rule, it would get the Class Number 0:2J64:9*w*M57. According to Rule 2*w* however, the Chronological Number M57 is not

to be applied as a Chronological Number *viz.*, J64 has already occurred in the Class Number. But it can easily be seen that such a course will not differentiate the biographies of all Shakespearean critics. The second part of this Rule is intended to obviate that difficulty.

78:93 In the case of a biography of an author, who is assignable to more than one form of Literature, the Form Number part of the Class Number is to be that one with which the author is most associated.

Though Shakespeare and Kalidasa are both dramatists as well as poets they are more associated with Drama. Hence their biographies are to be placed in the Form Division *Drama.* Although Thomas Hardy and Walter Scott are both novelists as well as poets, their biographies are to be placed in the Form Division *Fiction.* Similarly, although G. K. Chesterton is a prose writer, a novelist as well as a poet, his biography is to be placed in the Form Division *Other Forms of Prose.*

The general criticism of an author who is assignable to more than one Form Division is also to be treated in a similar way whenever found necessary.

78:94 In the case of criticism from a particular point of view, ':9' is to be amplified by the Bias Number Device and not by the Chronological Device.

79 The Devices

795 The Classic Device may, if necessary, be applied to any Class Number ending with Criticism Number.

This Rule is particularly applicable in the case of Sanskrt Literary Criticism. An illustrative Classic Device list is given in Schedule O of Part II.

798 *See also* Rules 78*x* and 78:94.

Conclusion

Before concluding this chapter, it may be advantageous to say a few words explaining the practical way in which the number of the ultimate class of a book is to be constructed by the classifier. It has been seen that the Class Number is likely to be of a number of parts, each part consisting of one or more digits. To build up the number part by part or digit by digit, as the case may be, it may be convenient if the classifier puts to himself, at each stage, a set of questions and selects the next digit in the light of the answer to such questions.

It is proposed to give here a picture of the way in which the classifier is to put to himself appropriate questions at different stages and proceed further in the light of the answers received:—

LITERATURE

1 Does the book give or treat about the literature,

1. in more than one family of languages; or,
2. in a specific language; if so, which language?

11 If the book gives or treats about the literature in more than one language, does it give or treat about

1. more than one form of literature; or,
2. a specific form of literature; if so, which form?

111 If it gives or treats about more than one form of literature, into what Common Subdivision does it fall? In other words, by what Common Subdivision Digit is the digit '0' to be amplified and does the Common Subdivision Digit need further amplification, and if so, in what manner?

111:9 If the amplifying Common Subdivision Number is ':9' does it admit of further amplification by a Common Subdivision Digit, or by the Chronological Device, or by the Classic Device, or by the Bias Number Device?

111:991 In case the Number ':9' admits of amplification by the Classic Device by what Favoured Category Digit or Author Number is it to be amplified.

111:9911 If it is to be amplified by the Favoured Category Digit, is that digit to be amplified by the First Order Commentary Number, and if so, is that number to be obtained by the Favoured Category Device or by the Chronological Device and what should be the Amplifying Number. And so on with the Second Order Commentary Number, etc.

111:9912 If it is to be amplified by the Author Number, is the Author Number to be amplified by a Work Number, and if so, what is the Work Number?

111:99121 Is the Work Number to be amplified by the First Order Commentary Number, and if so, is that number to be obtained by the Favoured Category Device or by the Chronological Device and what should be the amplifying Number? And so on with the Second Order Commentary Number, etc.

111:992 Does the Class Number arrived at so far admit of amplification by the Bias Number Device? If so what is the Bias Number to be applied? And so on.

112 If the book gives or treats about a specific form of literature the appropriate Form Number is to be put after '0'. Now, into what Common Subdivision does the book fall? In other words, by what Common Subdivision Digit is the number made up of the digit '0' and the Form Digit to be amplified and does the Common Subdivision Digit need further amplification, and if so, in what manner?

The question 111 : 9 and all its subquestions are to be repeated here also.

12 If the book gives or treats about the literature of a specific family of languages, the appropriate Language Number followed by a colon is to be put after the digit 0. Then, questions similar to 11 to 112 are to be put and answered.

13 If the book gives or treats about the literature of a specific language, the appropriate Language Number followed by a colon is to be put after the digit '0'.

Now, does it give or treat about

1. more than one form of literature; or,
2. a specific form of literature; if so, which form?

131 If the book gives or treats about more than one form of literature, questions similar to 111 to 111:992 are to be put and answered.

132 If the book gives or treats about the literature of a specific form of literature, the appropriate Form Number is to be put after the Number made up of the parts '0', the language Number and the colon.

Now, does the book give a work or works of or treat about

1. more than one author; or,
2. a specific author; if so, whom?

1321 If it gives a work or works of or treats about more than one author, questions similar to 111 to 111:992 are to be put and answered.

1322 If the book gives a work or works of or treats about a specific author, the Author Number is to be put after the Form Number

Now, does the book give or treat about

1. more than one work of the author; or,
2. a specific work of the author; if so which?

13221 If the book gives or treats about more than one work of the author, questions similar to 111 to 111:992 are to be put and answered.

13222 If the book gives or treats about a specific work of the author, a colon is to be put after the Author Number and the Work Number is to be put after the colon. Then questions similar to 111 to 111:992 are to be put and answered.

133 The general hints given in chapter 9 of the *Prolegomena to library classification* may be of help in this connection.

8 HISTORY

80 Three trains of characteristics are to be used for the subdivision of History, *viz.*, Geographical Division or 'G', Problem or 'P', and Chronological Division or 'C'.

Apart from the Penultimate Octave Divisions and the Common Subdivisions and the Bias Number Divisions that may be applied to any subclass of history the natural special sub-divisions of history will have to be based on the three characteristics mentioned in this rule.

801 The three trains of characteristics, forming the basis of classification of History, are to be taken in the order 'G', 'P', 'C'.

A simple calculation will show that there are six ways of taking the three characteristics in order. The problem is to decide which of these six possible orders will be most convenient for those who use the books. It is only the experience of libraries that can give the necessary information about it.

The order suggested by the rule has been found to be quite convenient. The result of the order may be put as follows:—We shall imagine all the history books divided according to the country of which they treat and we shall imagine a separate building for the history of each country. A reader, interested, say, in Indian History, will have to go to the 'India Building', so to speak. On entering the building he will find that all the books on the political history of India are put in one room, all the books on the constitutional history of India are put in another room, all the books on the economic history of India are put in another room and so on. Let us assume that the reader is interested in the constitutional history and that he enters the 'constitution' room. There he will find several cupboards, each devoted to a particular epoch. Roughly speaking, this is the result of taking the characteristics in the order given by the rule. One can easily construct a similar picture for other possible orders of characteristics and satisfy oneself about the appropriateness of the particular order prescribed by the rule.

81 Geographical Number

810 The digit or digits of the geographical division, of the history of which the book treats, is to be placed immediately after the digit 'V'. This group of digits may be termed the 'Geographical Number'.

8101 The numbers appropriate to the different geographical divisions are to be taken from the Geographical Table given in Schedule 3 of Part II.

It may be explicitly stated here that a book dealing with the history of the World is to be given the Geographical Number '1'. The only case in which the Geographical Number is to be omitted is that given in Rule 811.

811 If the book deals with the science of History or of the science of any Problem subdivision of history but does not give the history either of the world as a whole, or of any geographical division, no Geographical Number is to be put.

There are books which give an account of the methodology or the content or the history, etc. of History as an art or science. Again there may be biographies of historians. Evidently such books may not be assignable to any geographical division.

82 Problem Number

82 A colon is to be put after the Geographical Number.

82*a* If the book does not admit of classification on the basis of the train of geographical characteristics the colon is to be put immediately after 'V'.

820 The digit or digits corresponding to the Problem dealt with in the book is to be placed immediately after the colon succeeding the Geographical Number or the digit 'V' as the case may be. This group of digits may be termed the 'Problem Number'.

8201 The symbols and the appropriate Problem Classes are given in Schedule V of Part II.

The denotation of the term 'Political' as used in the Problem Classes is not quite definite. Perhaps, it is more convenient to define it in a negative way saying that it is not exclusively Constitutional or Economic, etc. Further, taking advantage of this vagueness in the meaning of that term and since the text-books in History may deal with more Problem Classes than one, we have made the first division Political and General.

822 The line of demarcation between the Problem Class '2 Constitutional' and the Main Class 'W Political Science' is not an easy one. A book, whose primary interest is tracing the history of or giving a descriptive account of the constitution of a country or of any of its specific constitutional aspects forming the subdivisions of the 'Problem Class 2' and which if at all, is led to the enunciation of certain general constitutional principles only in a subsidiary way or as a by-product of the narration of history, is to be put in the Main Class 'V History'

and given the Problem Number 2, or any of its subdivisions. On the other hand, a book, whose primary interest is that of studying or giving an exposition of constitutional principles as such and in which the constitutions or the constitutional aspects of particular countries come in only incidentally for illustrative purposes, is to be put in the Main Class 'W Political Science'. In particular, all books dealing with the theory of elections and election methods are to be invariably put in the Main Class 'W Political Science'.

8226 Further, the 'Problem Class 26' is to be used only in the case of books that deal with the general constitutional aspects and the relation of the State to Local Bodies as a class. But if a book deals with a specific Local Body, its Geographical Number is to be worked out to the necessary number of digits to represent the geographical area of the Local Body and the appropriate Problem Class is to be used to construct its Problem Number.

823 The line of demarcation between the Problem Class '3 Economic' and the Main Class 'X Economics' is quite difficult to draw. The following convention is suggested:—A book that traces the march of the economic conditions, in general, of a country is to be put in the Main Class 'V History' and given the Problem Number '3 Economic'. But a book that describes the history or gives a descriptive account of any of the particular aspects of Economic Science indicated in the subdivisions of the Main Class 'X Economics,' is to be put in the Main Class 'X Economics.' For example, books that deal with the labour conditions of a country, the currency of a country, the taxation of a country, the banks of a country, any specific industry of a country, etc. are to be put in the Subject Division 'X Economics'. It need hardly be said that books whose primary interest is the exposition of the principles of the Science of Economics or of any specific aspect of that Science are to be put in the Main Class 'X Economics'.

824 Whereas books dealing with the art of War are to be put in the appropriate subdivision in the Main Class 'M Useful Arts', a book tracing the history of military, naval or aerial operations of a country is to be put in the Main Class 'V History' and given the Problem Number '4 Military, etc. History.'

825 The line of demarcation between the Problem Class '5 Cultural History' and the Class 'Y1 Sociology' is as difficult to draw as in the case of '2 Constitutional History' and '3 Economic History'. The convention to be adopted is to be similar to the one mentioned in Rule 823 and not that in Rule 822.

83 Chronological Number

83 A colon is to be put after the Problem Number.

830 The digit or digits corresponding to the period covered by the book are to be placed immediately after the colon succeeding the Problem Number. This group of digits may be termed the 'Chronological Number'.

8301 The epoch used for the construction of the Chronological Number is to be the latest point of time covered by the book.

8302 The Chronological Number is to be worked out to three digits if the history is brought up to a definite outstanding well-known epoch. If, on the other hand, there is no outstanding epoch up to which the history is traced, it is to be worked out to the two digits corresponding to the latest decade touched by the book.

88 Special Notes on common Subdivisions

88 Notwithstanding anything to the contrary contained in Rule 23 of Chapter 2 of this Part, in the case of books falling in the Main Class 'V History', the bare or amplified Common Subdivision Number is to be applied immediately after the Problem Number and the classification on the basis of the 'C' characteristics may be omitted.

It may be recollected that most of the rules in Chapter 2 of this Part provide for the amplification of the Common Subdivision Digit by the Chronological Device. This rule seeks to take advantage of that fact.

88*l* In the case of the Main Class 'V History,' the Common Subdivision Digit *l* is to be used not only to represent learned societies and institutions but also organisations like the *League of Nations* and the *Institute of Pacific Relations* which are associations of Nations or States. In such cases the digit *l* is to be applied immediately after the Geographical Number and amplified in accordance with the rules for amplification.

88*q*19 A treaty with another State is to be given the Problem Number '19 Foreign Policy' and amplified by the digit *q* which itself is to be amplified by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The Country or the State which forms the other party to the Treaty is to be used to construct the Geographical Number. If there be more than one such country, the first of the countries is to be used. If the book gives a single treaty with the State, the Chronological Number is to be worked out to three digits, the year of the Treaty being used as the epoch. If the book gives more than one Treaty with the State used

to construct the Geographical Number, the Chronological Number is to be worked out to two digits only, the decade of the latest of such treaties being used as the epoch.

88*q*2 A Constitutional Act is to be given the Problem Number '2 Constitutional' and amplified by the digit *q* which itself is to be amplified by the Chronological Device. If a book gives a single Constitutional Act, the Chronological Number is to be worked out to three digits, the year of the Act being used as the epoch. If a book gives more than one Constitutional Act the Chronological Number is to be worked out to two digits, the decade of the latest of the Acts being used as the epoch.

88*r* The Administration Report of a State or Local Body is to be given the Problem Number '1 Political and general' amplified by the digit *r*.

88*s* The Class Numbers of books giving only tables of Kings, Ministers, etc. are to be amplified by the digit *s* which itself is to be amplified in accordance with Rule 2*s*.

88*w* Biographies of persons of the diplomatic services of a State are to be given the Problem Number '19 Foreign Policy' and amplified by the digit *w* which itself is to be amplified in accordance with Rule 2*w*.

Although indicated already in the commentary to Rule 2*w* it may be repeated here that the biography of a King, a President, a Viceroy, a Governor, a Minister, a Legislator, a Leader of a Political Party, a Person who has been known as one who has fought for Political Rights, and a Person whose name is best associated with the functioning of Local Bodies, etc. is to be placed in the appropriate subdivision of the Problem division '2 Constitutional'.

89 The Devices

89 Notwithstanding anything to the contrary contained in Rule 682 of Chapter 6 of this Part, in the case of books falling in the Main Class 'V History', the Bias Number is to be applied before the 'C' characteristic is used.

8919 In the case of a book dealing with the Foreign Policy of a State in regard to some other specific State, the Problem Number '19' is to be amplified by the Bias Number Device using the Geographical Number of the other State as the Bias Number. A colon is to be put after the number

thus got and the appropriate Chronological Number is to be added thereafter.

89190 In the case of a book dealing with the Foreign Policy of a State in relation to some other State and in regard to a Specific Subject, the Bias Number Device is to be applied once again after the Geographical Bias Number using the Class Number of the specific subject as the Bias Number.

8919*q* In the case of a treaty on a specific subject such as 'Extradition', 'Trade facilities', 'Cessation of hostilities', 'Postal matters' and so on, the Problem Number '19' is to be amplified by the Bias Number Device using the Number of the subject matter of the treaty as the Bias Number. The digit *q* is to be put after the Bias Number and amplified as in Rule 88*q*19 and its subdivisions.

9 GENERALIA

9 The main classes of Generalia and their subdivisions are given in Schedule 9 of Part II.

The rules for the subdivision of 'Literature' and 'History' were begun with the enumeration of certain characteristics to be used as the basis of their classification. It will be noticed later that the same method is adopted in the case of most of the other subjects. But such a course is not available in the case of 'Generalia'.

Further it might be noticed from Schedule 1 of Part II that no symbol is given to represent the Main Class 'Generalia'. In fact, the term Generalia is merely introduced, for convenience of reference, as the generic name for the totality of divisions indicated in Schedule 9 of Part II. The succeeding rules of this Chapter deal with the subdivisions of the several main classes of Generalia.

91 Bibliography

910 Two trains of characteristics are to be used for the subdivision of Bibliography, *viz.* Material or 'M' and Bibliography or 'B'.

The connotation of these terms will become clear in the succeeding rules.

9101 The two trains of characteristics forming the basis of classification of Bibliography are to be taken in the order 'M', 'B'.

The term bibliography is far from being definite in its use. We are here using it in the sense indicated by the divisions based on the train of 'B' characteristic mentioned in Rule 910.

It may be added here that a bibliography of the writings on a particular theme will be indicated by amplifying the Class Number of the theme by the Common Subdivision digit *a*, itself being amplified in accordance with Rule 2*a*. The bibliography of an author, not represented by an Author Number in Literature, is to be indicated by amplifying the number representing his Collected Works by the Common Subdivision digit *a*, itself being amplified in accordance with Rule 2*a*. It is only general bibliographies, which cannot be assigned to any other single Class or Author, that are to be placed in this class.

911 Material Number

9110 The digit or digits of the material, a bibliographical list of which is given in the book, is to be placed immediately after the digit '1'. This group of digits may be termed 'Material Number'.

91101 The symbols and the corresponding 'Material Classes' are given in Schedule 9 of Part II.

9111 In the case of a book giving a bibliographical list of more than one kind of material, the Material Number is not to be put.

912 Bibliography Number

912 A colon is to be put after the Material Number or after '1' according as the Material Number is or is not used.

9120 The digit, indicating the nature of the bibliography which the book contains, is to be put immediately after the colon mentioned in Rule 912. This digit may be termed the 'Bibliography Number.'

91201 The symbols and the corresponding 'Bibliographical Classes' are given in Schedule 9 of Part II.

Among the first three classes on the basis of the 'B' characteristic, if there is any ambiguity as to which of them is to be used to construct the Bibliography Number, the latest of them is to be used. Again if there is ambiguity between the classes (*a*) 1, 4 and 5; or, (*b*) 2, 4, and 5; or, (*c*) 3, 4, and 5, the earliest of the divisions possible is to be used in each case.

91202 A colon is not to be put after the Bibliography Number in case it has to be amplified by any of the Devices.

Since the Bibliography Number will always consist of a single Arabic numeral only except for initial 9's if any no ambiguity is likely to arise by not inserting the colon.

9121 The Bibliography Number '1' is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The geographical area, of the publications published in which the book gives a bibliography, is to be used to construct the Geographical Number. If the bibliography is a stray or isolated one, the Chronological Number is to be worked out to two digits and the decade up to which the bibliography is brought is to be used as the

epoch. If it is issued periodically, the Chronological Number is to be worked out to three digits, the year of commencement of the publication being used as the epoch.

9122 The Bibliography Number '2' is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The geographical area, with which the publications in the bibliography deal, is to be used to construct the Geographical Number. If the bibliography is a stray or isolated one, the Chronological Number is to be worked out to two digits and the decade up to which the bibliography is brought is to be used as the epoch. If it is issued periodically, the Chronological Number is to be worked out to three digits, the year of its commencement being used as the epoch.

9123 After the Bibliography Number '3', the number representing the language, the bibliography of the publications in which or about which is given in the book, is to be put.

91231 The Class Number got by Rule 9123 is to be amplified by the Chronological Device only or by the Geographical Device and then by the Chronological Device, according to the requirements of the case. In the former case, a colon is to be put before the Chronological Number. In the latter case, a colon is to be put before and after the Geographical Number.

In either case, if the bibliography is a stray or isolated one, the Chronological Number is to be worked out to two digits, the decade up to which the bibliography is brought being used as the epoch and if it is issued periodically, the Chronological Number is to be worked out to three digits, the year of commencement of the publication being used as the epoch. In the latter case, the geographical area of the materials in which alone or about which alone it gives a bibliography, is to be used to construct the Geographical Number.

9124 The Bibliography Number '4' is to be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the library is situated is to be used to construct the Geographical Number. The Chronological Number is to be worked

out to three digits, the date of foundation of the library or of the institution to which it may belong, if it belongs to any, being used as the epoch.

9125 The Bibliography Number '5' is to be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the publishing firm is situated is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits, the date of foundation of the publishing firm being used as the epoch. If the publisher is the government of the country, the Chronological Number may be omitted.

92 Library Science

920 Two trains of characteristics are to be used for the subdivision of Library Science, *viz.* Problem or 'P' and Library or 'L'.

9201 The two trains of characteristics forming the basis of classification of Library Science are to be taken in the order 'P', 'L'.

921 Problem Number

9210 The digit or digits of the problem dealt with in the book are to be placed immediately after the digit '2'. This group of digits may be termed the 'Problem Number'.

92101 The numbers appropriate to the different problems are given in Schedule 9 of Part II.

9211 If a book treats about more than one problem, no Problem Number is to be put.

922 Library Number

922 A colon is to be put after the Problem Number or after '2' according as the Problem Number is or is not used.

9220 The digit or digits of the type of library are to be put after the colon. This group of digits may be termed the 'Library Number.'

92201 The numbers appropriate to the different types of libraries are given in Schedule 9 of Part II.

928*q* In the case of a Schedule of Classification, the digit *q* is to be added after the Problem Number "51 Classification" and is to be amplified first by the Chronological Device and then by the Subject Device. No colon is to be put between the Chronological Number and the Subject Number. The Chronological Number is to be worked out to three digits, the date of first publication of the Schedule of Classification being used as the epoch. If the Schedule of Classification deals with more than one Subject, the Subject Number need not be put.

928*q*1 In the case of a Code of Cataloguing Rules, the digit *q* is to be put after the Problem Number '55 Cataloguing' or its subdivision as the case may be and is to be amplified by the Chronological Device. The Chronological Number is to be worked out to three digits, the year in which the Code was first published being used as the epoch.

93 Dictionaries. Encyclopaedias

93 In the case of the Division '3 Dictionaries, Encyclopædias', the digit '3' is to be amplified first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country in which the encyclopædia is published is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits, the year in which the first published volume of the first edition was published being used as the epoch.

It is only general encyclopædias that are to be put in the Generalia Class '3'. Encyclopædias of particular subjects are to be indicated in accordance with Rule 2*k* of Chapter 2 of this Part. It is only dictionaries of a general nature that are to be put in the Generalia Class '3'. Dictionaries giving the meanings of words or phrases are to be put in the Subject Division 'P Linguistics.'

931 Notwithstanding anything to the contrary contained in Rule 93, if the encyclopædia gives information about a specific country that country is to be used to construct the Geographical Number required to amplify the digit '3' and not the country in which the encyclopædia is published.

94—98 Societies to Yearbooks

The Generalia Numbers '4 to 8' and their subdivisions, if any, are to be amplified exactly like the Common Subdivisions corresponding to them dealt with in Chapter 2 of this Part, with the following provisoes:—

GENERALIA

1. In the case of a Society or a periodical which specialises in the study of a particular geographical area, the digit 4 or 5, as the case may be, is to be first amplified by the Bias Number Device using the number of the geographical area concerned as the Bias Number and a colon is to be put after the Bias Number before it is dealt with as in Rule 2*l* or 2*m*.

2. In the case of Indian Generalia Periodicals in an Indian language the number '52' is to be first amplified by the Bias Number Device using the number of the language of the periodical as the Bias Number and a Colon is to be put after the Bias Number before the Chronological Number is applied.

3. In the case of national biographies, the digit 7 is to be amplified first by the Geographical Device and then by the Chronological Device.

Only books which cannot be assigned to any one of the Subject Divisions 'A to Z' are to be put in the appropriate Generalia Classes '4 to 8.' *Who is Who* is to be put in the Generalia Class '7' and the digit '7' is to be amplified, in its case, as if it were a periodical.

The provisoes are intended to bring together special periodicals like Orientalia or Indiana ones or those in particular Indian languages.

99 General Essays

99 The General Eassays Number '9' is to be amplified by the Classic Device.

991 In the case of general essays that specialise in the study of a particular geographical area, the digit 9 is first to be amplified by the Bias Number Device using the number of the geographical area concerned as the Bias Number and then only amplification by the Classic Device is to be made.

This rule is intended to bring together specialised general essays such as essays on Orientalia and Indiana.

998 Theses

998 The Generalia Number '98' is to be amplified, first by the Geographical Device and then by the Chronological Device, the Geographical Number and the Chronological Number being separated by a colon. The country of the University or Institution to which the theses were submitted is to be used to construct the Geographical Number. The Chronological Number is to be worked out to three digits, the year of foundation of the University or Institution being used as the epoch.

A SCIENCE (GENERAL)

A1 As 'B to M' are really subdivisions of 'A', 'A' itself need not be divided on the basis of any characteristic. The only way in which A is to be subdivided is by the application of Common Subdivisions or the Classic Device or the Bias Number Device or the Last Octave Principle.

B MATHEMATICS

B The chief divisions of Mathematics and their subdivisions are given in Schedule B of Part II.

All the remarks given under Rule 9 of Chapter 9 are applicable here. It is not possible to enunciate any relevant characteristics which may be made the basis for the classification of Mathematics as a whole. In fact we have to divide Mathematics in the first instance, along canonical lines. Even some of the canonical classes of Mathematics have to be further subdivided only on canonical lines. But certain canonical classes and subclasses admit of classification on the basis of definite and appropriate trains of characteristics, as can be seen from Schedule B as well as from the succeeding rules of this Chapter.

The terms used to denote the classes of Mathematics cannot be said to be quite definite. Even the Oxford Dictionary does not help us in fixing their denotation. Their denotation is to be fixed only by the enumeration of their subdivisions.

There are several Special Forms in Mathematics about each of which literature has accumulated and is accumulating. Such Special Forms appear in all subdivisions of Mathematics. For example we have Special Arithmetic Functions, Special Algebraic Equations, Special Algebraic Transformations, Special Groups, Special Series, Special Integrals, Special Differential Equations, Special Differential Operators, Special Functions and so on.

The method that is invariably employed in Mathematics as well as in all other subjects to represent such Special Forms, Topics, Theories, etc., is that of working out the Class Number as far as it is possible on the basis of the characteristics of classification and amplifying the Class Number, thus arrived at, by the Chronological Device, the Chronological Number being usually worked out to three digits. The year of the first publication of an authentic exposition or investigation of the Topic or Theory or Form, as the case may be, is to be used as the epoch. The volumes of *Encyklopadie der mathematischen Wissenshaften* will be of help in fixing the Chronological Number in most of the cases. Other books on the History of Mathematics may also be of help.

B1 Arithmetic

B1 The subdivision of Arithmetic is not based on any natural characteristic. The subdivisions are merely the canonical ones.

It may be stated here that books on Cardinal Numbers, Ordinal Numbers, Transfinite Numbers and similar topics are not to be placed

in this division. Their appropriate place is B31 'Foundations of Analysis.'

B11 Lower Arithmetic

B11 By 'Lower Arithmetic' is meant arithmetic as it is popularly understood. Some of its subdivisions are indicated in Schedule B of Part II. It is unlikely that there will be either books or even articles on topics which are more specialised than the subdivisions given in the Schedule. If there be any, each subdivision may be further subdivided in any suitable manner.

B12 Concept of Numbers

B12 The division 'Concept of Numbers' is to be used only for books which do not deal either with the special psychology of numbers on the one hand or with the foundations of Analysis on the other. This division is intended to hold popular accounts of the 'Concept of Numbers' such as Conant's *Concept of numbers.*

B13 Theory of Numbers

B130 Three trains of characteristics are to be used for the subdivision of 'Theory of Numbers,' *viz.*, Number or 'N', Problem or 'P' and Method or 'M'.

B1301 The three trains of characteristics forming the basis of classification of 'Theory of Numbers' are to be taken in the order 'N', 'P', 'M'.

B1302 The Numbers corresponding to these trains of characteristics may be termed the 'Number Number', the Problem Number' and the 'Method Number' respectively.

B1303 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

The term 'Theory of Numbers' is traditionally used to the study of the properties of Integers. Its use is also, nowadays, extended to the study of certain other classes of numbers such as Ideal Numbers and Higher Complex Numbers which are given as further divisions of B1. In this extended sense, 'Theory of Numbers' is also denoted by the term 'Higher Arithmetic.'

B131 The classes into which numbers are divided on the basis of 'N' characteristic are not intended to be mutually exclusive in the sense that the same number should not occur in more than one class. It is only the aspect studied that will be different in the different classes. The evolution of the 'Theory of Numbers' indicates that the centre of attention is not on the numbers as such but on the aspects of numbers which are indicated in the Schedule. Further aspects, which may

appear in future, can be accommodated either as subdivisions of the classes already given or as additional classes.

B133 It can be seen from the Schedule of 'Method Numbers' forming part of Schedule B of Part II, that the 'Method Numbers' are mnemonically derived from the canonical classes of the Main Class 'B Mathematics' and their subclasses. Whenever necessary, the 'Method Numbers' may be further subdivided in the same way as the canonical classes of Mathematics are subdivided.

B2 Algebra

B2 The subdivision of Algebra is not based on any natural characteristic. The subclasses are merely canonical ones.

B21 Elementary Algebra

B21 By 'Elementary Algebra' is meant Algebra which does not involve infinite processes. The subclasses of 'Elementary Algebra' also are on canonical lines.

B23 Theory of Equations

B230 Two trains of characteristics are to be used for the subdivision of 'Theory of Equations', *viz.*, Equation or 'E' and Problem or 'P'.

B2301 The two trains of characteristics forming the basis of classification of 'Theory of Equations' are to be taken in the order 'E', 'P'.

B2302 The numbers corresponding to these trains of characteristics may be termed the 'Equation Number' and the 'Problem Number' respectively.

B2503 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

B25 Higher Algebra

B250 Three trains of characteristics are to be used for the subdivision of Higher Algebra, *viz.*, Form or 'F', Degree or 'D' and Transformation or 'T'.

B2501 The three trains of characteristics forming the basis of classification of Higher Algebra are to be taken in the order 'F', 'D', 'T'.

B2502 The Numbers corresponding to these trains of characteristics may be termed the 'Form Number', the 'Degree Number' and the 'Transformation Number' respectively.

B2503 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

B291 The division 'B29 Algebras' is to be subdivided by the Favoured Category Device. If there be more Algebras than can be accommodated by the Favoured Category Device, the Chronological Device may be used to individualise the further ones.

B3 Analysis

B3 The subdivision of Analysis is not based on any natural characteristic. The subclasses are merely canonical ones.

B33 Differential and Integral Equations

B330 Four trains of characteristics are to be used for the subdivision of Differential and Integral Equations, *viz.*, Equation or 'E', Degree or 'D', Order or 'O' and Problem or 'P'.

B3301 The four trains of characteristics forming the basis of classification of Differential and Integral Equations are to be taken in the order 'E', 'D', 'O', 'P'.

B3302 The numbers corresponding to these trains of characteristics may be termed the 'Equation Number', the 'Degree Number', the 'Order Number' and the 'Problem Number' respectively.

B3303 The symbols and the appropriate classes on the basis of each of these trains of characteristics are given in Schedule B of Part II.

B339 Special Integral and Differential Equations are to be individualised by the Chronological Device.

B37 Real Variable

B370 Two trains of characteristics are to be used for the subdivision of 'Real Variable', *viz.*, Variable or 'V' and Problem or 'P'.

B3701 The two trains of characteristics forming the basis of classification of Real Variable are to be taken in the order 'V', 'P'.

B3702 The numbers corresponding to these trains of characteristics may be termed the 'Variable Number' and the 'Problem Number' respectively.

B3703 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

B38 Complex Variable

B380 Two trains of characteristics are to be used for the subdivision of Complex Variable, *viz.*, Variable or 'V' and Problem or 'P'.

B3801 The two trains of characteristics forming the basis of classification of Complex Variable are to be taken in the order 'V', 'P'.

B3802 The numbers corresponding to these trains of characteristics may be termed the 'Variable Number' and the 'Problem Number' respectively.

B3803 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

B39 Special Functions

B39 Each subclass of B39 is to be amplified by the Chronological Device to individualise Special Functions.

B391 Each Special Function may be divided on the basis of the train of Problem Characteristics, as is done in the case of 'B38 Complex Variable'.

B4 Other Methods

B4 The subdivisions of B4 by the Favoured Category Device are given in Schedule B of Part II. If other methods of Analysis are discovered than can be accommodated by the Favoured Category Device, the Chronological Device will have to be employed. The divisions representing each method may have to be further subdivided on the basis of appropriate characteristics. It has not been attempted, however, in this edition, as these subjects are quite recent and sufficient literature has not come out to justify the labour involved in further subdividing them.

B6 Geometry

B60 Two trains of characteristics are to be used for the subdivision of Geometry, *viz.*, Space or 'S' and Method or 'M'.

B601 The two trains of characteristics forming the basis of classification of Geometry are to be taken in the order 'S', 'M'.

B602 The numbers corresponding to these trains of characteristics may be termed the 'Space Number' and the 'Method Number' respectively.

B603 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

The first division under the train of 'S' characteristics is rather anomalous. It is devoted to books on the 'Foundations of Geometry'. Each of the other divisions on the basis of the train of 'S' characteristics has been further subdivided on the basis of the Degree of the Curve or Surface studied in the book. As usual Special Curves and Special Surfaces are to be individualised by the Chronological Device. The division 9 on the basis of the train of 'S' characteristics is devoted to Non-Euclidian Geometry. Some of its subdivisions by the Favoured Category Device are indicated in Schedule B of Part II. If there be more systems of Geometry than can be accommodated by the Favoured Category Device, the Chronological Device is to be used to individualise the further ones.

B7 Mechanics

B70 Two trains of characteristics are to be used for the subdivision of Mechanics, *viz.*, Matter or 'M' and Problem or 'P'.

B701 The two trains of characteristics forming the basis of classification of Mechanics are to be taken in the order 'M', 'P'.

B702 The numbers corresponding to these trains of characteristics may be termed 'Matter Number' and 'Problem Number' respectively.

B703 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

B9 Astronomy

B90 Two trains of characteristics are to be used for the subdivision of Astronomy, *viz.*, Body or 'B' and Problem or 'P'.

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B901 The two trains of characteristics forming the basis of classification of Astronomy are to be taken in the order 'B', 'P'.

B902 The numbers corresponding to these trains of characteristics may be termed the 'Body Number' and the 'Problem Number' respectively.

B903 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule B of Part II.

C PHYSICS

C The chief divisions of Physics and their subdivisions are given in Schedule C of Part II.

Physics is one of the few subjects in which the rules for subdivision cannot be begun with the enumeration of some trains of characteristics to be used as the basis of their classification. On the other hand, we have to divide physics, in the first instance, on canonical lines. Some of these canonical divisions admit of further subdivision on the basis of certain trains of characteristics.

C2 Properties of Matter

C20 Two trains of characteristics are to be used for the subdivision of Properties of Matter, *viz.*, State of Matter or 'S' and Problem or 'P'.

C201 The two trains of characteristics forming the basis of classification of Properties of Matter are to be taken in the order 'S', 'P'.

C202 The numbers corresponding to these trains of characteristics may be termed the 'State Number' and the 'Problem Number' respectively.

C203 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule C of Part II.

C3 Sound

C30 Two trains of characteristics are to be used for the subdivision of Sound, *viz.* Wavelength or 'W' and Problem or 'P'.

C301 The two trains of characteristics forming the basis of classification of Sound are to be taken in the order 'W', 'P'.

C302 The numbers corresponding to these trains of characteristics may be termed the 'Wavelength Number' and the 'Problem Number' respectively.

C303 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule C of Part II.

C4 Heat

There is only one train of characteristics forming the basis for the classification of Heat, *viz.*, Problem or 'P'. The classes based on the train of 'P' characteristics are given in Schedule C of Part II.

C5 Light

C50 Two trains of characteristics are to be used for the subdivision of Light, *viz.*, Wavelength or 'W' and Problem or 'P'.

C501 The two trains of characteristics forming the basis of classification of Light are to be taken in the order 'W', 'P'.

C502 The numbers corresponding to these trains of characteristics may be termed the 'Wavelength Number' and the 'Problem Number' respectively.

C503 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule C of Part II.

C51 The first division on the basis of the train of 'W' characteristics represents visible light and the divisions '2' to '8' represent the invisible regions of the spectrum.

C528 Specific theories are to be individualised by the Chronological Device. The Chronological Number is to be worked out to three digits, the date of the first publication of an authentic exposition of the theory being used as the epoch.

C6 Electricity

C60 Two trains of characteristics are to be used for the subdivision of Electricity, *viz.*, Electricity or 'E' and Problem or 'P'.

C601 The two trains of characteristics forming the basis of classification of Electricity are to be taken in the order 'E', 'P'.

C602 The numbers corresponding to these trains of characteristics may be termed the 'Electricity Number' and the 'Problem Number' respectively.

C603 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule C of Part II.

C628 Specific theories on the nature of Electricity are to be individualised by the Chronological Device.

C8 Cosmic Hypothesis

C8 Specific theories are to be individualised by the Chronological Device.

Some illustrative examples are given in Schedule C of Part II.

CA Wherever necessary, the train of 'State of Matter' characteristic mentioned in section C2 of this Chapter may be used as an additional train of characteristic for further classification.

e.g. C433:1 Specific heat of solids

C62:14:8 Conduction of electricity through gases.

D ENGINEERING

D0 Subject to the provisions of Rule D60 and its subdivisions, three trains of characteristics are to be used for the subdivision of Engineering, *viz.*, Work or 'W', Part or 'P' and Engineering or 'E'.

D01 The three trains of characteristics forming the basis of classification of Engineering are to be taken in the order 'W', 'P', 'E'.

D02 The Numbers corresponding to these trains of characteristics may be termed the Work Number, the Part Number and the Engineering Number respectively.

D03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule D of Part II.

D1 The traditional divisions of engineering are Civil Engineering and Mechanical Engineering. But the term Civil Engineering is too vague. Divisions 1, 2 and 4 on the basis of the Work characteristic will come in the category of Civil Engineering. Mining Engineering and Municipal and Sanitary Engineering are additional divisions which it has been found convenient to introduce.

D2 The divisions based on the train of Part characteristics would naturally depend upon the Work Number and would be different for different types of work. Hence the Part Divisions for certain Work Numbers only have been given in the Schedule by way of illustration. For the other Work Divisions the parts are to be worked out in an analogous manner.

The divisions on the basis of the train of Part characteristic become very specialised in each branch of Mechanical Engineering. In a specialised Engineering library it would be necessary to work out the parts for each one of the Work Numbers given as subdivisions of Mechanical Engineering. But it may not be necessary in a general library. Lionel S. Mark's *Mechanical engineers' handbook* may be of much use in working out such details.

D315 The division '15 Hydraulics' on the basis of the train of Engineering characteristic is to hold books dealing with general hydraulics, topics such as flow of water, etc. Books dealing with irrigation are to be put in the Work Division '2' and those that deal with hydroelectric topics are to be put in the Work Division '66'.

D60 In the case of the Work Division '6' and its subdivisions, a further train of characteristics may be used in addition to those of the 'P' and 'E' characteristics. The additional train of characteristics may be termed Secondary Work or 'S'.

D601 The train of 'S' characteristics is to come between the train of 'W' characteristics and that of 'P' characteristics.

D602 The Number corresponding to this train of characteristics may be termed the Secondary Work Number.

D603 The symbols and the appropriate divisions on the basis of this train of characteristic are given in Schedule D of Part II.

D61 The division '1' Generation' may have to be further subdivided but the subdivisions are likely to depend upon and vary with the Work Number to which the Secondary Work Number is attached. The subdivisions in the case of Electrical Engineering are given in the Schedule by way of illustration. For the other cases, the subdivisions are to be worked out in a similar manner.

D8*e* The way in which the Common Subdivision Digit '*e*' is to be subdivided when applied to the Work Number '66' is indicated in Schedule D of Part II, as there are likely to be monographs on particular electrical instruments.

D8*v* The Common Subdivision Digits *u* and *v* are to be used on the analogy of their use in T Education. *Vide* rules T8*u* and T8*v*.

E CHEMISTRY

E0 Two trains of characteristics are to be used for the subdivision of Chemistry, *viz.*, Problem or 'P' and Substance or 'S'.

E01 The two trains of characteristics forming the basis of classification of Chemistry are to be taken in the order 'P', 'S'.

E02 The Number corresponding to these trains of characteristics may be termed the Problem Number and the Substance Number respectively.

E03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule E of Part II.

E17 The Problem Class '7 Biochemistry' may be subdivided on the basis of the train of Problem characteristics as the Subject Division 'E Chemistry' itself is divided.

E21 The Substance Division '1' is to accommodate books on the chemistry of specific elements. The classification of Elements has been based on the Periodic Table. In fact, the second digit in the numbers of the subdivisions of the Substance Division represents the group to which the element belongs and the third digit ordinarily represents its period. It may be recollected that the vertical and horizontal rulings in the Periodic Table give rise to 90 cells.

Each cell ordinarily accommodates one element. When there are two elements in a cell the number corresponding to the cell is assigned to one of the two elements and for the other this number is amplified by the digit '9'. In three cells of group 8, however, there are three elements. In these cases the third element has been, for convenience, assigned to the next later period, which happens to be vacant in all the three cases.

The reason for assigning the digit '9' for the second element, if any, in a cell and for transferring the third element to the next cell will become clear in the remarks under Rule E2203.

Ammonia has been treated as an Element for purposes of classification.

E211 The group of digits following the initial digit '1' may be termed the Element Number.

Thus every element has an Element Number consisting of either two digits or three digits. It may be repeated that if the Element Number runs to three digits, the third digit will be '9'.

E219 The Substance Division '19' is introduced to accommodate special groupings of Elements which are common.

E220 If a book deals primarily with the hydroxyls or basic oxides of an element, its Substance Number is to consist of the digit '2' followed successively by the number of the constituent element, *i.e.*, the element whose hydroxyl or basic oxide forms the primary subject-matter of the book and the Valency Number, *i.e.*, the Arabic numeral representing the valency of the element in the oxide.

E2201 The amphoteric oxides are to be traced as basic oxides in constructing their Substance Number.

E2202 The Element Number followed by the Valency Number may be termed the Full Element Number.

E2203 If there be more than one basic oxide with a given valency for the element, the number got by Rule E220 is to be used for one of them and the numbers 1, 2, etc., are to be added to the number got by Rule E220 in the case of the second, third, etc., respectively of the basic oxides. If the number thus added is in more than one digit, it is to be read as an integer and not as a decimal.

It is known that the valency of no element is higher than 8. Hence, the Valency Number amplifying an Element Number will always be a number not exceeding 8. It is on account of this fact that the digit '9' was used to represent the second element, if any, in a cell, with a view to avoid a colon between the Element Number and the Valency Number.

E229 The Substance Number '29' is used, as is indicated in Schedule E of Part II, for binaries other than water which are neither hydroxyls nor acids nor salts. Water is regarded as the hydroxyl of hydrogen in the construction of its Substance Number.

E2290 If a book deals primarily with a binary, its Substance Number is to consist of the number '29' followed by the Full Element Number of the first constituent element and then by that of the second constitutent element.

E22901 If there be more than one binary with the same two Full Element Numbers, the number got by Rule E2290 is

to be used for one of them and the numbers 1, 2, etc., are to be added to the number got by Rule E2290 in the case of the second, third, etc., respectively of the binaries. If the number thus added is in more than one digit, it is to be read as an integer and not as a decimal.

E230 If a book deals with an acid or acidic oxide of an element, its Substance Number is to consist of the digit '3' followed by the Full Element Number of the constituent element, *i.e.*, the element whose acid or acidic oxide forms the primary subject-matter of the book.

E2301 Neutral oxides are to be treated as acidic oxides in constructing their Substance Number.

E231 If there be more than one acid or acidic oxide with a given Full Element Number, they are to be dealt with in a manner analogous to that given in Rule E2203.

E240 If a book deals primarily with a salt, its Substance Number is to consist of the digit '4' followed by the Full Element Number of the constituent basic element and then by that of the constituent acidic element.

E241 If there be more than one salt with the same two Full Element Numbers, they are to be dealt with in a manner analogous to that given in Rule E2203.

E242 In the case of a double salt the Substance Number is to consist of the digit '4' followed by the Full Element Number of the first basic element and then that of the second basic element and then that of the acidic element.

E2421 If there be more than one double salt with the same Full Element Numbers, they are to be dealt with in a manner analogous to that given in Rule E2203.

E28 Division '8' may be subdivided on the basis of the number of carbon atoms displaced and the elements displacing them.

E291 The Substance Divisions given in Schedule E of Part II may be augmented by the Subject Device.

E292 In the case of analytical chemistry, the Substance Number may be amplified by the Bias Number Device, using for the Bias Number, the number of the substance whose presence in the original Substance is being investigated by analysis.

E30 In the case of the Substance Divisions 5, 6, 7 and 8 and their subdivisions, a third train of characteristic may be used as the basis of their further classification, namely, Combination or 'C'.

E301 The number corresponding to this train of characteristic may be termed the Combination Number.

E302 The symbols and the appropriate divisions based on this train of characteristic are given in Schedule E of Part II.

E38 The Combination Number '8' may be amplified by the Full Element Number of the constituent element or elements, as the case may be.

F TECHNOLOGY

F0 Two trains of characteristics are to be used for the subdivision of Technology, *viz.*, Substance or 'S' and Problem and Process or 'P'.

The term Technology is taken to include matallurgy as well as chemical technology.

F01 The two trains of characteristics forming the basis of classification of Technology are to be taken in the order 'S', 'P'.

F02 The Number corresponding to these trains of characteristics may be termed the Substance Number and the Problem Number or the Process Number, as the case may be, respectively.

F1 The Substance Number is to be constructed as for the Subject Division 'E Chemistry'. The additional divisions required are given in Schedule F of Part II.

F11 If there be more than one industrial form for any substance, the different forms are to be indicated by the Favoured Category Device.

Here are some examples worked out for the substance Iron:—

82	Iron	823	Steel
821	Cast iron or Pig iron	824	Steel alloys
822	Wrought iron		

F2 The divisions on the basis of the Process characteristic will depend upon the substance. As far as possible, the Chronological Device is to be used in constructing the Process Number. The Chronological Number is to be worked out to three digits and the year of the discovery of the process is to be used as the epoch. The Chronological Number constructed by this Rule may be termed the Process Number.

F21 Each Process Number may have to be further subdivided according to the nature of its technique.

No attempt has been made in this edition to give illustrative schedules of the processes for the techniques of different substances and their subdivisions.

F22 In the case of a book not dealing with a particular substance or with a particular process corresponding to the substance represented by the Substance Number but giving an account of some aspects of the problems of Technology in general, the second digit in the subdivisions of the Problem Division '8 Manipulation' of the Main Class 'E Chemistry' may be used to represent the corresponding aspects of the problem and this digit may take the place of the Process Number.

Since the Problem Numbers will begin with Arabic numerals and the Process Numbers will begin with capital letters, there will be no ambiguity whatever in arranging them.

G Natural Science (General) and Biology

G0 Three trains of characteristics are to be used for the subdivision of Natural Science (General) and Biology, *viz.*, Organ or 'O', Problem or 'P' and a third. The third characteristic will be different for the different classes based on the train of 'P' characteristic.

G01 The three trains of characteristics forming the basis of classification of Natural Science (General) and Biology are to be taken in the order 'O', 'P' and the third characteristic.

G02 The number corresponding to the first two trains of characteristics may be termed the Organ Number and the Problem Number.

The name of the Number corresponding to the third train of characteristics will be given in appropriate places.

G03 The symbols and the appropriate divisions on the basis of each of the trains of characteristics are given in Schedule G of Part II.

G1 A general account of life as a biological phenomenon is to be given the Organ Number '1'.

G233 The third train of characteristics to be used when the Problem Division is '33 Metabolism' or 341 or 345 or 346 or any of their subdivisions is Substance or 'S'. The number corresponding to it may be termed Substance Number and it is to be constructed as in 'E Chemistry' and 'F Technology'.

G25 The third train of characteristics to be used when the Problem Division is '5 Ecology' or any of its subdivisions is Geographical or 'G'. It may be termed Geographical Number and it is to be constructed as in the Geographical Schedule of Part II.

G259 The need for Auto-Bias Device will arise in fixing the Geographical Number for ecological books. If so the physiographic class concerned is to be used as the Basic Class and the continent, country, etc., as the case may be, as the Bias Class.

H GEOLOGY

H The chief divisions of Geology and their subdivisions are given in Schedule H of Part II.

Geology is one of the few subjects in which the rules for subdivision cannot be begun with the enumeration of some characteristics to be used as the basis of their classification. On the other hand we have to divide Geology, in the first instance, on canonical lines. Some of these canonical divisions admit of further subdivision on the basis of certain characteristics.

H1 Mineralogy

H10 Two trains of characteristics are to be used for the subdivision of Mineralogy, *viz.*, Substance or 'S' and Problem or 'P'.

H101 The two trains of characteristics forming the basis of classification of Mineralogy are to be taken in the order 'S', 'P'.

H102 The Numbers corresponding to these trains of characteristics may be termed the 'Substance Number' and the 'Problem Number' respectively.

H103 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule H of Part II.

H11 The Substance Number is to be worked out as the Substance Number in the Subject Division 'E Chemistry', except that amplification by the Valency Number may not be necessary.

H111 If there be more than one mineral with the same chemical composition but differentiated from one another either isomerically or by the presence of impurities, they are to be dealt with by the Favoured Category Device.

"DANA (Edward Salisbury) *A system of mineralogy*" will be of help in constructing the Substance Number in Mineralogy.

H119 The Substance Division '9 Precious Stones' has been specially formed since precious stones form an important class of substance in

Geology. If they be given the Substance Number according to the Rule H11, the books on the different precious stones will be scattered. Hence it is suggested that all books on precious stones may be brought under the class H19 and its subdivisions.

H2 Petrology

H20 Two trains of characteristics are to be used for the subdivision of Petrology, *viz.*, Substance or 'S' and Problem or 'P'.

H201 The two trains of characteristics forming the basis of classification of Petrology are to be taken in the order 'S', 'P'.

H202 The Numbers corresponding to these trains of characteristics may be termed the 'Substance Number' and the 'Problem Number' respectively.

H203 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule H of Part II.

H22 As has been stated in the Schedule, the divisions of 'H2 Petrology' based on the train of Problem characteristics are the same as those for 'H1 Mineralogy'.

H6 Palaeontology

H6 The canonical class 'Palæontology' is to be used only for Palæo-zoology. Books on Palæo-botany are accommodated in the Main Class 'I Botany'. The Palæontology Number 'H6' is to be amplified by the 'Animal Number' of Zoology.

H68*u* In the case of descriptive Palæontology and Palæontological surveys, whenever warranted the amplifying Chronological Number is to be the number for the appropriate stratigraphical age, given as subdivisions of 'H5 Stratigraphy' and not one taken from the Chronological Schedule.

H7 Economic Geology

H7 The class 'H7 Economic Geology' is to accommodate books on ore deposits, underground water, and non-metallic and organic deposits. It may be stated that an ore is defined as "the natural mineral containing a precious or useful metal in such quantities and such chemical composition as to make its extraction profitable". Thus the denotation of the term 'ore deposit' is likely to vary from time to time. However, from the point of view of the user, on account of the great economic importance of ore deposits, it is recommended that they may be grouped together in the division 'H7'.

H70 Two trains of characteristics are to be used for the subdivision of Economic Geology, *viz.*, Substance or 'S' and Problem or 'P'.

H701 The two trains of characteristics forming the basis of classification of Economic Geology are to be taken in the order 'S', 'P'.

H702 The Numbers corresponding to these trains of characteristics may be termed the 'Substance Number' and the 'Problem Number' respectively.

H71 The 'Substance Number' is to be worked out as the 'Substance Number' in the Subject Division 'E Chemistry', except that amplification by Valency Number may not be necessary.

H711 If there be more than one mineral with the same chemical composition but differentiated from one another either isomerically or by the presence of impurities, they are to be dealt with by the Favoured Category Device.

The substance which forms the essential constituent of the ore, *i.e.*, the substance whose presence makes the ore economically valuable is to be used in constructing the 'Substance Number'.

H72 The classes of 'H7 Economic Geology' based on the train of Problem characteristic are the same as those for 'H1 Mineralogy'.

H8 Cosmic Hypotheses

H8 Specific hypotheses are to be individualised by the Chronological Device. The Chronological Number is to be worked out to three digits, the date of the first publication of an authentic exposition of the hypothesis being used as the epoch.

I BOTANY

I0 Three trains of characteristics are to be used for the subdivision of Botany, *viz.*, Natural group of Plants or 'N', Problem or 'P' and Organ or 'O'.

I01 The three trains of characteristics forming the basis of classification of Botany, shall be taken in the order 'N', 'P', 'O'.

I02 The Number corresponding to these trains of characteristics may be termed the Plant Number, the Problem Number and the Organ Number respectively.

I03 The symbols and the appropriate divisions on the basis of each of these characteristics are given in Schedule I of Part II.

I1 It will be noticed that the Divisions '2 Thallophyta,' '3 Bryophyta,' and '4 Pteridophyta' based on the N characteristic are subdivisions of Division '1 Cryptogamia.' Similarly, the Division '6 Gymnosperms,' '7 Monocotyledons,' and '8 Dicotyledons' are only subdivisions of Class '5 Phanerogamia.'

121 In case the Problem Number used is '12' or '18', the third train of characteristics to be used will be the Geographical and not the Organ. The geographical area which forms the subject-matter of the book is to be used to construct the Geographical Number.

I25 In case the Problem Division used is '5 Ecology' or any of its subdivisions, the Geographical characteristic may have to be used as the third train of characteristics as in Rules G25 and G259. The Organ may be used as the fourth train of characteristics.

I28*u* In the case of descriptive palæobotany and palæobotanical surveys, the Chronological Number is to be constructed as in Rule H68*u*.

J AGRICULTURE

J0 Four trains of characteristics are to be used for the subdivision of Agriculture, *viz.*, Utility or 'U', Part or 'P', Crop or 'C', Farming or 'F'.

J01 The four trains of characteristics forming the basis of classification of Agriculture are to be taken in the order 'U', 'P', 'C', 'F'.

J02 The Number corresponding to these trains of characteristics may be termed the Utility Number, the Part Number, the Crop Number and the Farming Number, respectively.

J03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule J of Part II.

J04 A colon need not be put after the Utility Number and the Part Number.

Utility Numbers and Part Numbers will always consist of a single digit. Hence no ambiguity is likely to arise by not inserting the colons.

J1 The utility Number is devised so as to give a favoured treatment to certain crops. It is true that a crop may be utilised for several purposes. But it is the primary purpose that should decide the Utility Number of a given crop. To take an example, in the case of paddy, the rice is used as human food. The straw is used as animal food and as roofing material. Perhaps, it may also be used for some textile purposes. But it will be easily conceded that the primary use of paddy is as human food.

J2 If more than one part of a substance are likely to be put to the primary use made of it, that part which is more commonly used is to be used to construct the Part Number.

J3 The Crop Number is to be constructed, in the first instance, by the Favoured Category Device.

J31 For the crops that are not covered by the Favoured Category Device, the Crop Number is to be constructed by the Alphabetic Device.

J32 For convenience the number made up of the Utility Number, the Part Number and the Crop Number may be termed the Full Crop Number.

An illustrative list of Full Crop Numbers is given in Schedule J of Part II for ready reference.

J40 In the case of most of the Farming Divisions two trains of characteristics are used for further subdivision.

J401 The symbols and the appropriate divisions based on each of these trains of characteristics are given under the respective Farming Class in Schedule J of Part II.

J402 The number corresponding to the first train of characteristics is to be placed immediately after the Farming Digit without a colon intervening.

J403 A colon is to separate the numbers corresponding to the two characteristics.

J41 The two trains of characteristics forming the basis of classification of the Farming Division '1 Soil' are Nature or 'N' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'N', 'O'. The Number corresponding to these trains of characteristics may be termed the Nature Number and the Operation Number respectively.

J42 The two trains of characteristics forming the basis of classification of the Farming Division '2 Manure' are Substance or 'S' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'S', 'O'. The Number corresponding to these trains of characteristics may be termed the Substance Number and the Operation Number respectively.

J43 The two trains of characteristics forming the basis of classification of the Farming Division '3 Propagation Methods' are Substance or 'S' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'S', 'O'. The Number corresponding to these trains of characteristics may be termed the Substance Number and the Operation Number respectively.

J44 The two trains of characteristics forming the basis of classification of the Farming Division '4 Control of diseases and injuries' are Diseases or 'D' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'D', 'O'. The Number corresponding to these trains of characteristics may be termed the Disease Number and the Operation Number respectively.

J45 In the case of the Farming Division '5 Crop Development' only one train of characteristics is used as the basis of classification.

J47 The two trains of characteristics forming the basis of classification of the Farming Division '7 Harvesting' are Material or 'M' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'M', 'O'. The Number corresponding to these trains of characteristics may be termed the Material Number and the Operation Number respectively.

J471 The Material Number is ordinarily the number of the Part of the plant which is the dominant part in the Material. If two or more materials call for the same part number, the most widely used material is to have the bare part number and for the 2nd, 3rd, etc., materials the part number is to be amplified by the addition of the digits 1, 2, etc., respectively. If the amplifying number is in two or more digits, it is to be read as an integer and not as a decimal.

JA The Division JA is to represent Forestry.

JA0 The trains of characteristics to be used for JA Forestry are the same as those for the Main Subject J Agriculture with the exception that in the place of the first three trains of characteristics a single train of characteristic, *viz.* Tree or T is to be used. Thus, the Full Crop Number will be replaced by the Tree Number.

JA1 The Tree Number is to be got by the Alphabetic Device, using the commonly accepted English name of the tree.

JA10 Some Illustrative Tree Numbers are given in Schedule J of Part II.

K ZOOLOGY

K0 Three trains of characteristics are to be used for the subdivision of Zoology, *viz.*, Natural group of Animals or 'N', Problem or 'P' and Organ or 'O'.

K01 The three trains of characteristics, forming the basis of classification of Zoology, are to be taken in the order 'N', 'P', 'O'.

K02 The Number corresponding to these trains of characteristics may be termed the Animal Number, the Problem Number and the Organ Number respectively.

K03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule K of Part II.

K1 It will be noticed that the Divisions '2' to '8' based on the train of 'N' characteristic are subdivisions of the Division '1 Invertebrates.'

K12 In Schedule K of Part II the divisions based on the train of 'N' characteristics are worked out only up to the sub-order stage. This subdivision may be carried still further up to the Family Stage, whenever necessary in an analogous manner. The tables given at the beginning of the volumes of *Cambridge natural history* may be used in constructing the Family Numbers.

K21 In case the Problem Number used is '12' or '18', the third train of characteristics to be used will be the Geographical and not the Organ. The geographical area which forms the subject-matter of the book is to be used to construct the Geographical Number.

K25 In case the Problem Division used is '5 Ecology' or any of its subdivisions, the Geographical characteristic may have to be used as the third train of characteristic, as in Rules G25 and G259. The Organ may be used as the basis of the fourth train of characteristic.

L MEDICINE

L0 Three trains of characteristics are to be used for the subdivision of Medicine, *viz.*, Organ or 'O', Problem or 'P' and a third. The third train of characteristic will be different for the different classes based on the train of 'P' characteristic.

L01 The three trains of characteristics forming the basis of classification of Medicine are to be taken in the order 'O', 'P' and the third characteristic.

L02 The Numbers corresponding to the first two trains of characteristics may be termed the Organ Number and the Problem Number.

The name of the Number corresponding to the third characteristic will be given later in appropriate places.

L03 The symbols and the appropriate divisions on the basis of each of the trains of the characteristics are given in Schedule L of Part II.

L111 If a book deals with the special properties of the Cells or Tissues of a particular organ, the Number for 'Cells' or 'Tissues', as the case may be, may be amplified by the Auto-bias Device, the appropriate Organ Number being used as the Bias Number.

L113 The third to the eighth subdivisions of the Organ Number '1' are devoted to the regional divisions of the human body, whereas the Organ Numbers '2' to '8' are devoted to the functional divisions.

L1131 The parts of the functional organs within a regional organ may be indicated by amplifying the Regional Organ Number by the Auto-bias Device, the appropriate Functional Organ Number being used as the Bias Number.

For example, the bones of the thorax will have the Number L15—81. The arteries of the arm will have the number L16—337. Again the pigment of the face will have the number L181—875.

L12 In the case of the Organ Numbers '2' to '8', the Schedule gives certain subdivisions. Wherever further subdivision is required, the following convention may be adopted:—

The first division may represent the walls or the coats. It may be further subdivided layer by layer, commencing from the outermost layer and ending with the innermost layer. The second subdivision may be used for the parts. The third subdivision may be used for the supports. The fifth subdivision may be used for the characteristic contents. The sixth subdivision may be used for the glands. The various glands may be indicated by 61, 62, 63, etc. The Gland Number amplified by the digit '5' may be taken to represent the secretion of the gland. If, however, the secretion studied is not of a single gland but of glands in general, its number is to be 605. The seventh subdivision may be used for the ducts leading from the organ. The eighth subdivision may be used for the orifices and the valves.

L13 In Schedule L of Part II, some of the subdivisions of the Organ Numbers '3', '6', '7' and '8' are followed by the remark '*to be divided locally*'. In such cases, the concerned Functional Organ Number is to be amplified by the Auto-bias Device, the Number of the organ served or forming the region of location of the functional organ in question being used as the Bias Number.

L23 The class obtained by applying the Problem Division '3 Physiology' to the Organ Division '55 Female genital organs' is of importance and has a vast literature. The class goes by the name of 'Obstetrics.' Hence special subdivisions of the Problem Number '3' have been given in Schedule L of Part II to be used in Obstetrics. It may also be remarked that the class obtained by applying the Problem Division '4 Diseases' to the Organ Division '55 Female organs' has the special name 'Gynæcology.'

L24 An illustrative list of specific diseases with their class numbers is given at the end of the subdivisions of the Problem Division '4 Diseases'. It can be seen from the list that the Class Number of any disease has, for its organ part, the Number of the organ which is the seat of primary affection or the focus of infection. The Class Numbers for other diseases are to be constructed along similar lines.

L241 "STEADMAN (Thomas Lathrop): *Practical medical dictionary*" and "OSLER (William): *System of medicine*" will be of use in constructing the class numbers for diseases.

L28 When the Problem Division is '8 Physical Fitness', (1) the first train of characteristics may be left unused, (2) the profession or occupation of the person examined may be taken as the third train of characteristics and numbered by the Subject Device and (3) the Organ examined may be taken as the fourth train of characteristics.

L340 The third train of characteristics to be used, when the Problem Class is '4 Diseases' or any of its subdivisions may be termed Handling or 'H'.

L3402 The Number corresponding to the train of 'H' characteristics may be termed the Handling Number.

L3403 The symbols and the appropriate divisions on the basis of the train of Handling characteristics are given in Schedule L of Part II.

It can be seen that the subdivisions of '62 Physicotherapy' are analogous to the subdivisions of the Main Class 'C Physics'. Similarly, '63 Pharmacotherapy' may be subdivided on the analogy of the divisions of the Main Class 'E Chemistry' based on the Substance characteristic.

L3522 The third train of characteristics to be used when the Problem Division is '522 State Control of Animals' is Animal or 'A'. The number corresponding to it may be termed Animal Number and it is to be constructed as in 'MK Veterinary Science'.

L3523 The third train of characteristics to be used when the Problem Division is '523 State Control of Food', '524 State Control of Poisons', '526 State Control of Medicine', and '573 Food' and its subdivisions is Substance or 'S'. The number corresponding to it may be termed Substance Number and it is to be constructed as in 'E Chemistry and 'F Technology'.

L3577 The third train of characteristics to be used when the Problem Division is '577 Clothing' is Material or 'M'. The number corresponding to it may be termed Material Number and it is to be constructed as in 'M7 Textiles'.

L36 The third train of characteristics to be used when the Problem Division is '6 Pharmacognosy' or any of its subdivisions is Substance or 'S'. The number corresponding to it may be termed Substance Number and it is to be constructed as in 'E Chemistry' and 'F Technology'.

L9 The number 'L9' is set apart for books that deal with special groups of persons, as can be seen from the subdivisions of 'L9' given in Schedule L of Part II. To make this possible, the number of divisions based on the train of Organ characteristic has been restricted to eight. As a result of this adjustment, all the books dealing with Medicine in general will have precedence over the books that specialise in special groups such as 'Children', 'Old people', and 'Inhabitants of tropics'.

L99 If a book relates to a special school of Medicine, the Subject Digit 'L' is to be amplified by the Chronological

Device, before the Divisions based on the trains of 'O', 'P' and the third characteristic, if any, are applied to it. The Chronological Number is to be worked out to one digit only, the century of origin of the School being used as the epoch.

In Schedule L of Part II, 'LA' has been set apart for the Ayurvedic system, 'LB' for the Siddha system, and 'LC' for the Unani system—the three ancient systems current in India. The actual date of origin of these systems is not known. Hence, they have been taken arbitrarily in the order given. Any other systems that may be current elsewhere may also be fixed by the Chronological Device.

L998 An illustrative list of Classical works belonging to the Ayurvedic system is given at the end of Schedule L of Part II, with their Class Numbers worked out by the Classic Device.

M USEFUL ARTS

M0 The Main Class 'M Useful Arts' is a miscellaneous class. Indeed it may be called a hold-all division. It is intended to accommodate all the arts and crafts, in fact, all the sciences and their applications which are not provided for in the Main Classes 'B' to 'L'.

M01 From these remarks it will be obvious that the division of 'M' can only be canonical. The first nine of its divisions have been obtained by the Favoured Category Device. All the other divisions are to be obtained by the Subject Device. It must be stated, however, that the Subject Numbers used in the Subject Device are slightly modified in certain cases. The modification is introduced to minimise the number of digits, care being taken that no ambiguity is likely to arise by such modifications. Several illustrative divisions by the Subject Device are given in Schedule 'M' of Part II. Further divisions may be formed along similar lines.

M02 Each of these divisions will admit of subdivision on the basis of one or more definite trains of characteristics. By way of illustration the rules and schedules for 'M7 Textiles' and 'MK Veterinary Science' are given. In the case of the other subjects, similar rules and schedules are to be constructed. The number of subjects is infinite. Further, it is only in recent years that any appreciable literature has begun to grow in these subjects.

M7 Textiles

M70 Two trains of characteristics are to be used for the subdivision of Textiles, *viz.*, Material or 'M' and Problem or 'P'.

M701 The two trains of characteristics forming the basis of classification of Textiles are to be taken in the order 'M', 'P'.

M702 The Numbers corresponding to these trains of characteristics may be termed the Material Number and the Problem Number respectively.

M703 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule M of Part II.

MK Veterinary Science

The rules for the division of 'MK Veterinary Science' are similar to those for 'J Agriculture'. A few essential rules are given here. The others are to be adapted from the rules in Chapter J Agriculture.

MK0 Four trains of characteristics are to be used for the subdivision of Veterinary Science, *viz.*, Utility or 'U', Part or 'P', Animal or 'A' and Veterinary or 'V'.

MK01 The four trains of characteristics forming the basis of classification of Veterinary Science are to be taken in the order 'U', 'P', 'A', 'V'.

MK02 The Number corresponding to these trains of characteristics may be termed the Utility Number, the Part Number, the Animal Number and the Veterinary Number respectively.

MK03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule M of Part II.

MK1 When the same animal (*e.g.* sheep) is shown in two or more utility divisions, a library may choose the division that is warranted by its collection and ignore the others.

MK40 In the case of most of the Veterinary classes, two trains of characteristics are to be used for further subdivision.

MK401 The symbols and the appropriate divisions based on each of these trains of characteristics are given under the respective Veterinary Divisions in Schedule M of Part II.

MK402 The number corresponding to the first train of characteristics is to be placed immediately after the Veterinary Digit without a colon intervening.

MK403 A colon is to separate the numbers corresponding to the two trains of characteristics.

MK41 The two trains of characteristics forming the basis of classification of the Veterinary Class '1 Feeding' are Substance or 'S' and Operation or 'O'. The two trains of characteristics are to be taken in the order 'S', 'O'. The Number corresponding to these trains of characteristics may be termed the Substance Number and Operation Number respectively.

MK42 In the case of the Veterinary Divisions, '2 Morphology' and '3 Physiology' only one train of characteristics *viz.* Organ or 'O' is to be used.

MK421 The classes based on the train of Organ characteristics are the same as in the Main Class 'L Medicine'.

MK423 In the case of Obstetrics, a further train of characteristics, *viz.*, Secondary Problem or P is to be used. The divisions based on this train are the same as in the Main Class L Medicine with the exception that the initial digit '3' of their numbers is to be omitted.

MK44 The three trains of characteristics forming the basis of classification of the Veterinary Division '4 Diseases' are Organ or 'O', Disease or 'D' and Handling or 'H'. The three trains of characteristics are to be taken in the order 'O', 'D', 'H'. The Number corresponding to these trains of characteristics may be termed the Organ Number, Disease Number and Handling Number respectively.

MK441 The divisions based on these three trains of characteristics are the same as in the Main Class 'L Medicine', with the exception that the initial digit '4' of the Disease Numbers is to be omitted.

MK45 The trains of characteristics forming the basis of Veterinary Divisions '5 Hygiene' and '6 Pharmacognosy' are the same as those for the corresponding Problem Divisions of the Main Class 'L Medicine'.

MK47 The trains of characteristics forming the basis of classification of the Veterinary Division '7 Materials' are the same as those for the Farming Division '7 Materials' of the Main Class 'J Agriculture'. The classes based on these trains are also similar.

△SPIRITUAL EXPERIENCE AND MYSTICISM

As the Main Class '△ Spiritual Experience and Mysticism' occurs here for the first time in any printed scheme of classification, its connotation may first be indicated.

It is possible for any class of knowledge to be presented from an occult or mystical point of view.

To call such an exposition 'irrational' may violate the Canon of Reticence, for the terms 'rational' and 'irrational' refer to the plane of intellection whereas mystic, occult and spiritual experiences do not belong to the sphere of intellectual apprehension at all but are said to involve some kind of direct (trans-intellectual) insight.

Little, no doubt, is generally known about the nature or modes of such mystical apprehension; and its validity and even existence are often questioned. But it is not for the classifier to take sides in a controversy. He is simply concerned to separate literature based on sense-experience and intellection from that presuming or using trans-intellectual apprehension. In India such a distinction is traditionally recognised. Exposition based on intellection is called *kartṛtantra* (experimental, analytical study of things in their phenomenal modes); and *vastutantra* (global, holistic study of thing-in-itself) is exposition based on illumination.

The Main Class △* is to hold the latter. All ordinary (non-mystical) expositions are accommodated in the Main Classes A to Z. A mystical, occult or spiritual exposition of any subject—say E Chemistry—is referred to the Main Class △—and individualised as △E. In other words, △ is to be amplified by the Subject Device to accommodate mystical exposition of specific subjects.

Examples:

Friend's *Monograph on the chemistry of gold* belongs to the Class E1:118.

But Kolisko's *Gold and the sun* is to be classed as △E1:118.

Jones's *Problems of civilisation* (American social science series) treats of civilisation on the ordinary intellectual basis and belongs to the Class Y1:1.

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* Since the Arabic numerals and the Roman alphabet had already been exhausted a new symbol had to be found for this new Main Class. The △ of age-long mystical significance naturally suggested itself. Its standing outside the formal series of the other symbols fittingly represents the irresoluble nature of all it stands for.

△ SPIRITUAL EXPERIENCE AND MYSTICISM

But Ernest Wood's *Seven rays* which expounds the same subject from an occult point of view belongs to the Class △Y1:1.

The creation of the Main Class △ thus implies the division of the whole library into two parallel sequences to which, however, N Fine Arts, O Literature and Q Religion are common. This overlapping corresponds with facts; for fine arts, literature and religion represent the cross-roads or point of fusion between direct (mystical) and mediated (sensory, intellectual) modes of experience and expression. It is by no means easy to separate the books of these overlapping classes into △ and non-△ without infringement of the Canon of Consistency. We shall therefore adopt the following convention.

1. No book that has a claim to be classed as N or O or Q should ever be classed as △; and hence

2. Numbers like △N, △O, △Q are inadmissible.

Rule 024 has defined the ordinal value of △ as lying between those of M and N. Thus △ stands between the thirteen sciences and their applications (A to M) on the one hand and the thirteen humanities (N to Z) on the other.

The words used by General Smuts to define the position of a new discipline which he calls Personalogy will with a slight modification apply with equal force to the position assigned to the Main Class △:

Its province falls within a large debatable territory between science and philosophy, between theory and practice, which has been very little explored and is still *terra incognita* to all intents and purposes. Its difficulties are immense; from that wide and wild No Man's Land between sciences and humanities it rises like some forbidding mountain peak into the heavens; and no daring spirit except the Mystics, the Seers and Rishis has yet ventured to approach it, let alone to scale its dizzy heights. But beyond a doubt it is going to occupy a foremost place in the attention of even the ordinary inquirers in future. And the time may come when the Main Class △ may be the very keystone of the arch, and serve to complete the full growing circle of organised human knowledge. It will then synthesise all sciences and humanities and become the basis of a truer spiritual outlook than we can possibly have in the ignorance and confusions of our present state of knowledge.

That time is not yet; but it may be ventured to hope that the assignment of a proper place to the Main Class △ in the map of knowledge such as has been attempted here will help to direct attention to what is undoubtedly one of the greatest and most potential fields for cultivation.

△0 Three trains of characteristics are to be used for the subdivision of Spiritual Experience and Mysticism, *viz.*, Religion or 'R', Problem or 'P' and Entity or 'E'.

△ SPIRITUAL EXPERIENCE AND MYSTICISM

△01 The three trains of characteristics forming the basis of classification of Spiritual Experience and Mysticism are to be taken in the order 'R', 'P', 'E'.

△02 The number corresponding to these trains of characteristics may be termed the Religion Number, the Problem Number and the Entity Number respectively.

△03 The symbols and the appropriate classes on the basis of each of these trains of characteristics are given in Schedule △ of Part II.

△1 It may be observed that the classes based on the train of 'R' or Religion characteristics are mnemonic with those of the Main Class 'Q Religion' based on the train of 'R' or Religion characteristics.

While religious distinctions cease to exist after illumination, religious traditions are believed to be a source of stimulus up to illumination. Hence the prescription of the train of Religion characteristics. Perhaps readers also would prefer the resulting grouping of mystic literature on a religious basis.

△2 Most of the classes grouped under the label 'S8 Metapsychology' in the first edition of this book following the prevailing tradition are now placed in the Problem Class '8 Occultism', of △ along with other occult practices like Astrology and Palmistry.

△3 The classes enumerated in the train of 'E' or Entity characteristics are those that figure most in books on mysticism and occultism. As an illustration of the formation of the number for a class which is fairly rich in literature, mention may be made of "△:8:16 Psychical research and spiritualism".

△8 Lives of mystics and realised persons are to be amplified by *y*7 and not *w*. (*Vide* Rule 2*w*2.).

△9 △ is to be amplified by the Subject Device to accommodate mystical or occult expositions of specific subjects except Fine Arts, Literature and Religion.

Vide introduction to this chapter for explanation and examples.

N FINE ARTS

N0 As the Main Class 'M Useful Arts', the Main Class 'N Fine Arts' also is a big class though not as big as 'M'. It is also first divided on canonical lines. Each of the canonical divisions will admit of subdivision on the basis of one or more definite trains of characteristics.

N01 In the case of most of the canonical divisions, the first train of characteristics to be used is Style or 'S'.

N02 The Number corresponding to this train of characteristics may be termed the Style Number.

N03 The Style Number is to consist of two parts—the Geographical Number and the Chronological Number.

N031 The country or the geographical area where the style was originated is to be used to construct the Geographical Number.

N032 A colon is to be put after the Geographical Number.

N0320 The Chronological Number is to be worked out to one digit only, the approximate century in which the style was originated being used as the epoch.

N0321 A colon need not be put after the Chronological digit.

The *Encyclopaedia Britannica* or any good book on the history of Fine Arts concerned will be of help in constructing the Style Number. In the case of non-descript styles, which are not at all localised, naturally there will be no Style Number and a colon is to be put after the number representing the canonical division. In the case of non-descript styles peculiar to a definite country or geographical area, the Style Number will consist only of the Geographical Number but will not contain the Century digit. In that case the colon after the Geographical Number is however to be retained.

It may be remarked here that as a result of this arrangement and of the fact that the first digit of the number based on the second characteristic is invariably an Arabic numeral, in the case of each Fine Art, the general non-descript styles will come first. In the case of localised styles, with any given Geographical Number, the non-descript styles will come first and the specific styles originated in different periods and times will come in the proper chronological order.

The divisions on the basis of the further trains of characteristics have been worked out only in the case of certain canonical divisions. They are to be worked out on similar lines in the case of the others.

N04 It has been stated already that non-descript non-localised styles need not be given the Geographical Number. Advantage is taken of this, to utilise the digit '1', which would otherwise represent 'World', for the 'Technique' of the Fine Art. Thus 'N11' will represent the Technique of architecture; 'N21' the Technique of sculpture; 'N51' the Technique of painting; and so on.

N08*x* The Common Subdivision Digit *x* is to hold illustrations of the Fine Arts concerned.

N08*x*1 The digit *x* is to be amplified in the usual way (*Vide* Rule 2*x* of Chapter 2 of this Part).

N1 Architecture

N10 Three trains of characteristics are to be used for the subdivision of Architecture, *viz.*, Style or 'S', Utility or 'U' and Part or 'P'.

N101 The three trains of characteristics forming the basis of classification of Architecture are to be taken in the order 'S', 'U', 'P'.

N102 The Numbers corresponding to these trains of characteristics may be termed the Style Number, the Utility Number and the Part Number respectively.

N103 The symbols and the appropriate divisions on the basis of the two latter trains of characteristics are given in Schedule N of Part II.

N11 Some Style Numbers are also given as illustrations.

N12 The Utility Numbers are first worked out by the Favoured Category Device and the digit '9' is used for other buildings, that is, for those not represented by the Favoured Category Device. This digit is to be divided by the Subject Device.

The number got by the Favoured Category Device represents special classes of buildings and it may be further subdivided in a suitable manner. Such further subdivision has been illustrated in Schedule N of Part II, in the case of the numbers '2', '3' and '4'. The divisions of the number '9' by the Subject Device makes the Schedule of Utility Numbers highly hospitable. Some examples may be given here:—9Ce Physics laboratories; 9T182 Steel factories; 9L014 Hospitals; 9M14 Printing press; 9M7 Textile factories; 9N8 Music halls; 9Q2 Hindu

temples; 9Q6 Churches; 9Q7 Mosques; 9T Educational buildings; 9T4 University buildings; 9W023 Parliamentary buildings; 9W026 Municipal offices.

N2 Sculpture

N20 Three trains of characteristics are to be used for the subdivision of Sculpture, *viz.*, Style or 'S', Material or 'M' and Figure or 'F'.

N201 The three trains of characteristics forming the basis of classification of Sculpture are to be taken in the order 'S', 'M', 'F'.

N202 The Numbers corresponding to these trains of characteristics may be termed the Style Number, the Material Number and the Figure Number respectively.

N203 The symbols and the appropriate divisions on the basis of each of the two latter trains of characteristics are given in Schedule N of Part II.

N3 Engraving

The Schedule gives only the canonical divisions of 'Engraving'. Each of these divisions may be subdivided on the basis of one or more definite characteristics.

N5 Painting

N50 Three trains of characteristics are to be used for the subdivision of Painting, *viz.*, Style or 'S', Material of Surface or 'M' and Figure or 'F'.

N501 The three trains of characteristics forming the basis of classification of Painting are to be taken in the order 'S', 'M', 'F'.

N502 The Numbers corresponding to these trains of characteristics may be termed the Style Number, the Material of Surface Number and the Figure Number respectively.

N503 The symbols and the appropriate divisions on the basis of each of the two latter trains of characteristics are given in Schedule N of Part II.

N8 Music

N80 Three trains of characteristics are to be used for the subdivision of Music, *viz.*, Style or 'S', Instrument or 'I' and Music or 'M'.

N801 The three trains of characteristics forming the basis of classification of Music are to be taken in the order 'S', 'I', 'M'.

N802 The Numbers corresponding to these trains of characteristics may be termed the Style Number, the Instrument Number and the Music Number respectively.

N803 The symbols and the appropriate divisions on the basis of each of the two latter trains of characteristics are given in Schedule N of Part II.

P LINGUISTICS

P0 Four trains of characteristics are to be used for the subdivision of Linguistics, *viz.*, Language or 'L', Stage or 'S', Problem or 'P' and Element or 'E'.

P01 The four trains of characteristics forming the basis of classification of Linguistics are to be taken in the order 'L', 'S', 'P' 'E'.

P02 The Number corresponding to these trains of characteristics may be termed the Language Number, the Stage Number, the Problem Number and the Element Number respectively.

P03 The symbols and the appropriate divisions of the Language Number are given in Schedule 4 of Part II. The symbols and divisions based on each of the other trains of characteristics are given in Schedule P of Part II.

P10 If a book treats of a variant of the language such as a dialect or a slang or a jargon, the Language Number is to be amplified by the addition of the appropriate Number taken from the list of Variants given in Schedule P of Part II.

P100 If, however, the variant treated of belongs more appropriately to a specific stage of the language, the number corresponding to the variant may be put after the Stage Number.

P101 If the book treats of a specific dialect peculiar to a definite geographical division, the Dialect Number may be further amplified by the addition of the Geographical Number appropriate to the area in which it is current.

P105 After the Jargon Number, put successively the Geographical Number and Century Number (if necessary) corresponding to the place and period of the jargon.

P20 The Stage of the language which forms the subject-matter of the book is to be indicated by the Chronological Device. The Chronological Number is to be worked out to

one digit and the century of the commencement of the Stage is to be used as the epoch.

By way of illustration and for convenience of reference, the Stages of some of the languages are given in Schedule P of Part II.

P20A In the case of Vedic Sanskrit books dealing with the grammar of a single Veda, the stage digit 'A' is to be preceded by a number, the first digit representing the Veda and the later digits, the recension concerned. If a book deals with more than one recension of a Veda the second digit or the Recension digit as it may be called is to be zero. The Veda digit and the Recension digit are to be taken from Schedule Q of Part II.

P21 A colon need not be put after the Stage Number.

Since by rule P20 the Stage Number will always consist of a single digit only, no ambiguity is likely to arise by not inserting the colon.

P24 If the Problem Number is '4' or '5' or a subdivision of '5' and if the Element Number is '3', the Element Number and the colon preceding it may be omitted.

This is to economise in notation. Since most of the dictionaries will have the Problem Number '4' and the Element Number '3' and since dictionaries are books that are frequently used, the idea is that the number in such cases should be made as short as possible. Care has also been taken to see that no ambiguity should arise as a result of this special provision.

It may be asked whether an Element Number other than '3' is, likely to follow the Problem Number '4'. The answer is 'yes'. Take for example, a Dictionary of Phrases, or a Dictionary of Idioms, or a Dictionary of Proverbs. In these cases, the Element Number will be '4', '5' and '6' respectively.

P7 A dictionary of Special Terms used in particular sciences or subjects is to be placed in the sciences or the subjects concerned and its number is to be amplified by the Last Octave Principle. That is, a colon is to be put after the number representing the particular science or subject and thereafter P followed by the number of the language concerned is to be added.

P77 In the case of surnames, the dictionary is to be placed in the generalia class 7.

P7U In the case of place-names, the dictionary is to be placed in the Main Class U.

P8 Special Notes on Common Subdivisions

P8 In addition to and in slight modification of the common subdivisions given in Schedule 2 of Part II and explained

in Section 2 of Part I, the following special common subdivision may be used in subdividing the classes in Linguistics:—

z Comparative study; Historical study; or Genetic study.

P8*k* In the case of ordinary dictionaries giving the meaning of words, phrases, idioms and proverbs, the language part of the Book Number is to represent the language in which the meaning is given or the first of the languages, if the meaning is given in two or more languages.

P8*z* If the main purpose of a book is that of giving not a descriptive account but a comparative account, its class number is to be worked out to the fullest extent, otherwise appropriate, and must then be amplified by the addition of the digit *z*.

P8*z*1 If particularly necessary, the digit *z* may be further amplified by the chronological device, the epoch used being the latest century or decade up to which the study is brought in the book.

This rule will be particularly applicable in the case of books dealing with the paleography of particular epochs.

P9 The Devices

P95 An illustrative Classic Device List is given in Schedule P of Part II for Sanskrit, Tamil, Kanarese and Telugu.

Q RELIGION

Q0 Two trains of characteristics are to be used for the subdivision of Religion, *viz.*, Religion or 'R' and Problem or 'P'.

Q01 The two trains of characteristics forming the basis of classification of Religion are to be taken in the order 'R', 'P'.

Q02 The Numbers corresponding to these trains of characteristics may be termed the Religion Number and the Problem Number respectively.

Q03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule Q of Part II.

Q101 In any major Religion, the sects that have their own special religious practices and institutions are to be shown as the subdivisions of the major Religion.

For example, the different Vedas and their respective sakhas are shown in Schedule Q of Part II as successive subdivisions of '1 Hinduism (Vedic). So also the different Vaishnavite, Saivite, etc, sects, which have specialised sacred books, rituals and organisations, have been shown as subdivisions of '2 Hinduism (Post-Vedic)'. So also in the case of Jainism, Buddhism, Christianity, Muhammadanism, etc. The sects are as far as possible indicated by the Favoured Category Device. The digit '8' is to be used for 'Other sects' and amplified by the Chronological Device as provided in Rule Q18.

Q18 The Religion Division '8 Other religions' is to be subdivided by the Geographical Device, the country in which the Religion originated being used to construct the Geographical Number. If there are more than one 'Other religions' which originated in one and the same country, they are to be individualised by the Favoured Category Device and the additional ones by the Chronological Device, the Chronological Number being worked out to two digits and the year of foundation of the Religion being used as the epoch. The digit '8' is to be used and amplified by the Chronological Device

(worked out to two digits only) for indicating 'Other sects' of major religions.

The Geographical Number for a country is either of two digits or of three digits if '9' is the second digit. Advantage is taken of this fact in not putting a colon after the Geographical Number.

Q201 "FARQUHAR (J. N.): *Outline of the religious literature of India*" may be usefully consulted in finding out the Sacred Books, the Theological Works, etc., relating to the Religion Divisions '1' to '4' and their subdivisions. But this book gives also the purely philosophical treatises of the Indian Schools of Philosophy. Hence, care must be taken not to bring such philosophical books into the Main Class 'Q Religion'.

Q21 It may be explicitly stated that the *Sthalapuranas* of India are to be accommodated in the Problem Division '38', this number being amplified by the Geographical Device, using the Geographical Number of the locality treated in the book but omitting the initial digit or digits representing the whole of India.

Q211 It should also be remembered that during the last three centuries, many poems, particularly Tamil ones have used *Sthalapuranas* as themes. These should be classed in poetry and not in Religion.

Q22 The Sacred Books of different Religions are likely to fall into different groups. In Schedule Q of Part II, the divisions for some religions are given by way of illustration. The digit '2' is to be subdivided similarly for other Religions. If the Sacred Books do not fall into any such groups, the subdivisions of '2' may be constructed in the same manner as the Work Number in the Main Class 'O Literature'.

Q224 There are said to be innumerable *Tantras* belonging to Saktaism and Buddhism. Several of them are now being printed. But there is no authentic or agreed list of them. Hence it may be well to individualise them in the way in which Work Numbers are constructed in the Main Class 'O Literature' assuming that the number of *Tantras* exceeds 64, *i.e.*, working on a three-digit basis.

Q23 It may be remarked that books on the Theology of a Religion are likely to contain philosophical matter. One should not be misled by this fact to place such theological books in the Main Class 'R Philosophy'. Only a book that treats exclusively of the philosophical aspect of the Theology of a Religion is to be put in 'R3 Metaphysics' and further subdivided by the Subject Device as provided for in the rules for the subdivision of 'R3 Metaphysics'.

R PHILOSOPHY

R0 It is not possible to enunciate any relevant characteristics which may be made the basis of classification of Philosophy as a whole. In fact, we have to divide, in the first instance, along canonical lines. Some of the canonical divisions admit of classification on the basis of definite and appropriate characteristics. The ninth subdivision of each division is usually reserved for special topics about which some considerable literature exists. The terms used in Philosophy are very elusive. Many shades of differences are discernible in the use of the same terms by different philosophers. Baldwin's *Dictionary of philosophy* and James Hastings' *Encyclopaedia of religion and ethics* may be of use in deciding the appropriate Class Numbers of books in Philosophy.

R3 Metaphysics

R30 Two trains of characteristics are to be used for the subdivision of Metaphysics, *viz.*, View or 'V' and Subject or 'S'.

R301 The two trains of characteristics forming the basis of classification of Metaphysics are to be taken in the order 'V', 'S'.

R302 The Numbers corresponding to these trains of characteristics may be termed the View Number and the Subject Number respectively.

R303 The symbols and the appropriate divisions on the basis of the train of 'V' characteristics are given in Schedule R of Part II. The Numbers corresponding to the 'S' characteristics are to be constructed by the Subject Device.

R4 Ethics

R40 Two trains of characteristics are to be used for the subdivision of Ethics, *viz.*, Problem or 'P' and Controlling or 'C'.

R401 The two trains of characteristics forming the basis of classification of Ethics are to be taken in the order 'P', 'C'.

R402 The Numbers corresponding to these trains of characteristics may be termed the Problem Number and the Controlling Element Number respectively.

R403 The symbols and the appropriate divisions on the basis of the train of 'P' characteristics are given in Schedule R of Part II. The Numbers corresponding to the train of 'C' characteristics based on the Favoured Category Device are given in Schedule R of Part II, while the others are to be constructed by the Subject Device.

For example, Family Ethics of Hindus will be R42:Q2; treatment of animals according to Jains will be R47:Q3; if a book deals with Ethics as determined by sociological considerations, its number will be R4:Y1; on the other hand, a book that deals with Ethics as determined by statutory laws will be R4:Z.

R6 Indian Philosophy

R60 The division 'R6' has been set apart for Indian Philosophy. So also the division 'R7' may be set apart for any other system or school of philosophy in which the library specialises. For other Philosophical Systems peculiar to different countries, the division 'R8' is set apart, the number 'R8' being amplified by the Geographical Number representing the country concerned. This Geographical Number will ordinarily be of two digits and if it is of three digits, the second digit will be 9. Hence a colon need not be put after the Geographical Number.

R601 Special places have been given for Indian Philosophy as there is a considerable amount of literature on it. But it is open to libraries whose collections are different, to use 'R6' and 'R7' for such Philosophical Systems as are represented most in their collections.

R602 We have to divide Indian Philosophy along canonical lines only.

R62 The literature in Indian Philosophy abounds in classical treatises with a long hierarchy of commentaries and sub-commentaries. Hence a fairly long illustrative list of divisions by the Classic Device is included in Schedule R of Part II.

R65 The books in the Divisions 'R65' to 'R68' fall into two classes, *viz.*, those that are direct expositions and those that take the form of a commentary on certain basic texts.

R650 In the case of books that take the form of commentaries on basic texts, a second train of characteristics is to be used, *viz.*, Basic Text or 'B' characteristic.

R651 The first four divisions corresponding to the train of 'B' characteristic represent the Upanishads relating respectively to the Four Vedas and their different Sakhas, the numbers for the Vedas or their Sakhas, as the case may be, as given in Schedule Q of Part II, constituting the Basic Text Number.

R655 The other divisions corresponding to the 'B' characteristic will be as follows:—'5 Brahmasutra'; '6 Bhagavad Gita'; '7 Bhagavata Purana'; '8 Mahabharata' and its parts; '9 Other Texts'.

It may be stated here that the Basic Text part should be separated by a colon from the preceding part of the Class Number.

S PSYCHOLOGY

S0 Two trains of characteristics are to be used for the subdivision of Psychology, *viz.*, Entity or 'E' and Problem or 'P'.

S01 The two trains of characteristics forming the basis of classification of Psychology are to be taken in the order 'E', 'P'.

S02 The Number corresponding to these trains of characteristics may be termed the Entity Number and the Problem Number respectively.

S03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule S of Part II.

S1 The terms used in the divisions based on the train of 'E' characteristics require some explanation. The following gives a rough indication of the denotation of these terms.

S11 The term *child* is to be given the second meaning given in the Oxford Dictionary, namely, "a young person of either sex below the age of puberty", *i.e.*, below fourteen years in the case of a male and twelve years in the case of a female. The class '11 New Born' is to include children below eight months. The class '12 Toddler' is to include children between eight months and one year. The class '13 Infant' is to include children under seven years of age. The class '15 Pre-adolescent' is to include children above seven years but below the age of puberty.

S12 The class '2 Adolescent' is to include males between the years fourteen and twenty-five and females between the years twelve and twenty-one.

S14 The Division '4 Vocational' is to include classes of persons belonging to different vocations and this may be subdivided by the Subject Device.

S16 The connotation of the class '6 Abnormal' is indicated by its subdivisions.

S17 The Division '7 Race' may, wherever necessary, be subdivided by the Geographical Device or as in Y1 Sociology. The country or the geographical area with which the Race is primarily associated is to be used to construct the Geographical Number.

S18 The Division '8 Social' is to be used to indicate a collection or group of human beings as such.

S22 The Problem Number '2' and its subdivisions may be subdivided on the basis of the train of Point-of-View or the 'V' characteristics. The Number corresponding to this train of characteristics may be termed the Point-of-View Number. The symbols and the appropriate divisions based on this train of Characteristics are given in Schedule S of Part II.

S23 The Problem Number '3' and its subdivisions may also be subdivided on the basis of the train of Point-of-View or the 'V' characteristics, mentioned in Rule S22.

S99 If a book deals with a psychological problem from the point of view of a specific School of Psychology, the Main Class Digit 'S' is to be amplified by the Chronological Device before the Divisions based on the trains of 'E' and 'P' characteristics are applied to it. The Chronological Number is to be worked out to three digits, the year of the first publication of an authentic exposition of the School being used as the epoch.

The amplified digit 'S' for some Schools of Psychology are given by way of illustration at the end of Schedule S of Part II.

As a result of this Rule, books on the ordinary theory of Psychology will come first, of course classified in all possible ways. Then the books dealing with particular Schools, classified among themselves in all possible ways, will come in successive chronological order.

T EDUCATION

T0 Two trains of characteristics are to be used for the subdivision of Education, *viz.*, Educand or 'E' and Problem or 'P'.

T01 The two trains of characteristics forming the basis of classification of Education are to be taken in the order 'E', 'P'.

T02 The Number corresponding to these trains of characteristics may be termed the Educand Number and the Problem Number respectively.

T03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule T of Part II.

T1 It may be observed that the divisions of the Main Class 'T Education' based on the train of 'E' characteristics are mnemonic with the divisions of the Main Class 'S Psychology' based on the train of 'E' characteristics.

T220 The Problem Division '2 Schools of Education' is to be divided by the Chronological Device. The Chronological Number is to be worked out to three digits, the year of the first publication of an authentic exposition of the School being used as the epoch.

The subdivision of '2' for some Schools of Education are given by way of illustration in Schedule T of Part II.

T221 Any of the subdivisions of the problem division '2' may be further subdivided, whenever necessary, by the Auto-Bias Device.

A dash need not however, be put between the Chronological Number amplifying the Problem Digit '2' and the Bias Number. As the Chronological Number will always consist of three digits no ambiguity is likely to arise by not inserting the dash.

T23 The Problem Number '3 Teaching Technique' may be subdivided by the Subject Device with the modification given under Problem Number '3' of Schedule T of Part II.

The bare digit '3' is to be used for books which deal with the teaching of more than one subject. In the case of books dealing with specific subjects, the Number for the subject is to be added after the digit '3' without a colon intervening.

T34 Such of the subdivisions of the Problem Division '4 Organisation', as may admit of it, may be further subdivided on the basis of the train of Subject or S characteristics, the divisions on the basis of this train being obtained by the Subject Device.

T8*u* The Class Numbers of books which give a descriptive account of education or any particular aspect of education in specific geographical areas at a particular time are to be amplified by the Common Subdivision digit *u*, which itself is to be amplified as usual.

T8*v* The Class Numbers of books which trace the history of education or of any particular aspect of education through a stretch of time are to be amplified by the Common Subdivision digit *v*, which itself is to be amplified as usual.

U GEOGRAPHY

U0 Three trains of characteristics are to be used for the subdivision of Geography, *viz.*, Problem or 'P', Geographical or 'G' and Chronological or 'C'.

U01 The three trains of characteristics forming the basis of classification of Geography are to be taken in the order 'P', 'G', 'C'.

U02 The Numbers corresponding to these trains of characteristics may be termed the Problem Number, the Geographical Number and the Chronological Number respectively.

U03 The symbols and the appropriate divisions on the basis of the train of Problem characteristics are given in Schedule U of Part II.

The term 'Geography' is a very elusive one. According to the *Encyclopaedia Britannica*, it is a synthetic science. "The characteristic task of geography is to investigate the control exercised by the forms and vertical relief of the surface of the lithosphere directly or indirectly on the various mobile distributions". The big Oxford Dictionary defines it as "The Science which has for its object the description of the earth's surface, treating of its form and physical features, its natural and political divisions, the climate, productions, population, etc., of the various countries."

Accordingly we have included in the Problem Divisions of Geography, Mathematical Geography, Physical Geography, Bio-Geography, Anthropo-Geography and Economic Geography. We have also included the Science of Meteorology. Another feature of the problem classes is that 'Travels' forms one of them. As has been already stated in the commentary on Rule 2*a*1 of Chapter 2, it is only General Travel books that are to be accommodated in this division.

U3 The third train of characteristics namely, the train of Chronological characteristics, may not be applicable in all cases. But, it will certainly be applicable when the Problem Number is '6' or '8'. In all such cases, it may be sufficient to work out the Chronological Number to two digits. The latest period of time covered is to be used as the epoch in constructing the Chronological Number.

W POLITICAL SCIENCE

W0 Two trains of characteristics are to be used for the subdivision of Political Science, *viz.*, Type of State or 'T' and Problem or 'P'.

W01 The two trains of characteristics forming the basis of classification of Political Science are to be taken in the order 'T', 'P'.

W02 The Numbers corresponding to these trains of characteristics may be termed the Type Number and the Problem Number respectively.

W03 The symbols and the appropriate divisions on the basis of each of these trains of characteristics are given in Schedule W of Part II.

W2 It will be observed that the Problem Classes of 'W Political Science' are quite parallel to the Problem Classes of 'V History'. A reference may be made to the commentary 822 of Chapter 8 of this Part, with regard to the line of demarcation between 'V History' and 'W Political Science'.

X ECONOMICS

X0 Four trains of characteristics are to be used for the subdivision of Economics, *viz.*, Business or 'B', Economic or 'E', Geographical or 'G' and Chronological or 'C'.

X01 The four trains of characteristics forming the basis of classification of Economics are to be taken in the order 'B', 'E', 'G', 'C'.

X02 The Numbers corresponding to these trains of characteristics may be termed the Business Number, the Economic Number, the Geographical Number and the Chronological Number respectively.

X03 The symbols and the appropriate divisions on the basis of each of the first two trains of characteristics are given in Schedule X of Part II.

X14 'Transport' occurs both in the Business Train and in the Economic Train. In the former, books on the business of 'Transport', as such, are to be accommodated while the latter is to hold only books that deal with the process of the actual transport of specific commodities, involving, as it does, the details indicated under the Problem Division '4' in Schedule X of Part II.

X17 The Business Division '7' and its subdivisions may not admit of all the General Problem Divisions given in Schedule X of Part II. Hence a special Schedule of Problem Divisions applicable to the business Division '7' and its subdivisions is given at the end of the General Problem Divisions in Schedule X of Part II.

X29 'Labour' is given as an independent Problem Division and not included in the Problem Division '8 Management' as the Labour problem is a vast one and appears to have an independence of its own. The problem Division '82 Employees' is therefore to hold only books on the employees other than 'Labour', that is, the specially skilled workers and the intellectual workers.

X3 A book, that deals with the Science of Economics but does not deal with an account of any specific economic problem in any particular geographical area, will not, of course, admit of division on the basis of the 'G' and 'C' characteristics. In this connection a reference may also be made to the commentary 823 of Chapter 8 of this Part with regard to the convention about the distinction between Economics and Economic History.

X4 If the Geographical characteristic is used, the Chronological characteristic also must be used. Ordinarily it may be sufficient to work out the Chronological Number to two digits. The Geographical Number and the Chronological Number are to be separated by a colon.

X8 Notwithstanding anything to the contrary contained in Rule 23 of Chapter 2 of this Part, in the case of books falling in the Main Class 'X Economics', if a bare or amplified Common Subdivision Number is to be applied, classification on the basis of the trains of 'G' and 'C' characteristics and these trains of characteristics are to be omitted.

Vide Commentary on Rule 88.

X8*e* Books on weights and measures are to be given the class number X:5*e*.

X9 When the Economic Number is '5' or any of its subdivisions, the Geographical Number may be amplified by the Bias Number Device, using for the Bias Number the number for the geographical area with which commerce is conducted. If there be two or more such areas, the number for the first of them is to be used.

X99 If a book deals with an economic problem from the point of view of a specific Type of Economic Organisation, the Subject Digit 'X' is to be amplified by the Chronological Device before the divisions based on the trains of 'B', 'E', 'G' and 'C' characteristics are applied to it. The Chronological Number is to be worked out to three digits, the year of the first publication of an authentic exposition of the Type of Organisation being used as the epoch.

The amplified digit 'X' for some Types of Organisation are given by way of illustration at the end of Schedule X of Part II.

As a result of this Rule, books belonging to the ordinary capitalistic Type of Organisation will come first, of course classified in all possible ways. Then the books belonging to the particular Types of Organisation such as 'Co-operative' and 'Communistic' (classified among themselves in all possible ways) will come in successive chronological order.

Y OTHER SOCIAL SCIENCES

The Main Classes 'S' to 'X' and 'Z' represent the major Social Sciences. To make the divisions of Social Sciences totally exhaustive, the Main Class 'Y Other Social Sciences' is introduced. It plays the same role with reference to the Social Sciences as the Main Class 'M Useful Arts' does with reference to the Applications of Sciences.

Further, this Main Class may also be looked upon as a Generalia Class for the Social Sciences. In fact, any Generalia book dealing with Social Sciences only is to be given the Class Number 'Y', while Y1, Y2, etc., will represent specific Social Sciences, not already provided for in the other Subject Divisions.

It may be stated here that the Schedule Y of Part II deals only with 'Y1 Sociology'. As need arises, Y2, Y3 may also be set apart for other definite Social Sciences that may take shape.

Y1 Sociology

Y10 Five trains of characteristics are to be used for the subdivision of Sociology, *viz.*, Group of 'G', Problem or 'P'. Secondary Problem or S, Geographical or Gg and Chronological or C.

Y101 The five trains of characteristics forming the basis of classification of Sociology are to be taken in the order 'G', 'P', 'S', 'Gg', 'C'.

Y102 The Numbers corresponding to these trains of characteristics may be termed the Group Number, the Problem Number, the Secondary Problem Number, the Geographical Number and the Chronological Number respectively.

The Secondary Problem Number is called Handling Number when applied to Problem Divisions 4 and 5.

Y103 The symbols and the appropriate divisions on the basis of the first three trains of characteristics are given in Schedule Y of Part II.

Y117 The Group Division 7 and its subdivisions are to hold the class Anthropology and Ethnology.

Y18 Notwithstanding anything to the contrary contained in Rule 23 of Chapter 2 of this Part, in the case of books fall-

ing in Class 'Y 1 Sociology' the bare or amplified Common Subdivision Number is to be applied before classification on the basis of the trains 'Gg' and 'C' characteristics and these trains of characteristics are to be omitted.

Vide Commentary on Rule 88.

Y19 The Class 'Y1 Sociology' may frequently require the application of the Auto-Bias Device in the construction of Group Numbers.

Z LAW

Z0 Three trains of characteristics are to be used for the subdivision of law, *viz.* Community or 'C', Law or 'L' and Problem or 'P'.

Z01 The three trains of characteristics forming the basis of classification of Law are to be taken in the order 'C' 'L', 'P'.

Z02 The Numbers corresponding to these three trains of characteristics may be termed the Community Number, the Law Number and the Problem Number respectively.

Z03 The symbols and the appropriate divisions on the basis of the last two trains of characteristics are given in Schedule Z of Part II.

Z1 The divisions based on the train of Community Characteristics are to be got by the Geographical Device in the case of nations and sections of nations who are individualised by the geographical area of their habitation, and by the Subject Device in the case of other communities who are individualised by other factors such as religion.

Thus French law and Australian law will be represented by Z53 and Z8 while Hindu law, Canon law of Christians and Muslim law will be represented by ZQ2, ZQ6 and ZQ7 respectively.

Again the federal law of the United States will be Z73 whereas the law of California will be Z7351. So also in the case of the special law of a particular sect of a religion, the religion number will have to be subdivided to the necessary extent.

Z11 For international law, the geographical number to be used is '1' if it covers the whole world or any other appropriate number if it covers only a part of the world.

e.g., American international law will have the number Z7.

It may be stated here that this rule relates to Public International Law, *i.e.*, to law which governs situations in which all the parties concerned are States or Governments, politically independent of one another.

Z2 It will be noted that the terms used to denote the classes based on the trains of Law and Problem characteristics are so chosen as to be applicable to International Law as well as Municipal Law. Wherever it is not so, the analogous terms are to be understood.

Z25 It will be seen that some of the last subdivisions of '5 Crimes' are obtained by a modified form of Subject Device. Further subdivisions may be obtained in an analogous manner.

Z26 The Law Division '6 Conflict of laws, private international law' has been taken away from 'Public international law', as it is said to have greater affinity to 'Municipal law' than to 'International law'.

Z261 As has been indicated in the Schedule, Law Number '6' is to be subdivided by applying to it such of the divisions of 'Z' on the basis of the Law characteristic as are applicable to it with the modification that '6 Conflict of laws' is to be replaced by '6 During war'. '66' may again be subdivided as '6' itself.

Z2A The divisions A to D based on the train of Law characteristics, which relate to war-conditions, are to be subdivided by applying to them such of the divisions of 'Z' on the basis of the trains of Law characteristics as are applicable to them.

The appropriate terms for the derived composite classes will be obvious, *e.g.*, Z1:C265 is the number for 'Prize law'.

It may be stated that it is not possible for the Main Classes A, B, C, D to figure as Last Octave Numbers of Z Law. Hence, no ambiguity will arise by A, B, C, D being used as divisions based on the train of Law characteristics.

Z3 The classes based on the train of Problem characteristics would naturally depend upon the Law Number and would be different for different Law Numbers. Hence the Problem Classes for certain Law Numbers have been given separately in the Schedule. If the need for problem classes is felt in the case of other Law Numbers, they will have to be constructed analogously and consistently with the Canon of Mnemonics, expounded in the *Prolegomena to library classification*.

Z8*y*7 A law report is to have its number amplified by the Common Subdivision *y*7. The report of a particular case may require further amplification by the Chronological Device, the chronological number being worked out to three digits and the date of commencement of the trial being used as the epoch. A periodical law report may require further amplification of *y*7 by *m*. *m* need not be amplified by the Chronological Device if it is an official report. Nor is it necessary to amplify *m* by the Geographical Device if the Community Number is a Geographical Number.

Z9 The Classic Device may, if necessary, be applied also to any Class Number ending with the 'Digests' digit *z*.

Pandurang Vaman Kane *History of Dharma Sastra* will be of much help in applying the Classic Device in the case of Hindu Law. The Dharma Sastras of Hinduism usually devote one of their parts to law. The editions of a Dharma Sastra as a whole are to be placed in religion and illustrative Class Numbers of such works by the Classic Device have been given at the end of Schedule Q of part II. But editions of the Law part alone are better placed in Law. For example, the Law part of Q2:4*x*2 Yajnavalkya is to be given the Class Number ZQ2*x*2. Similarly the Law part of Q2:4*x*223 Balambhatti is to be given the class Number ZQ2*x*223. Again, the Law part of Q2:4*x*5 Narada is to be given the Class Number ZQ2*x*5.

The following are some examples of classics in digests:

ZQ2*zx*I50 Vacaspatimisra *Vivada cintamani.*

ZQ2:1225*zx*K10 Nanda Pandita *Dattakamimamsa.*

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COLON CLASSIFICATION

BY

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Librarian, Madras University Library

Secretary, Madras Library Association

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1 MAIN CLASSES

1 *to* 9 Generalia

Sciences

A	Science (General)
B	Mathematics
C	Physics
D	Engineering
E	Chemistry
F	Technology
G	Natural Science (General) and Biology
H	Geology
I	Botany
J	Agriculture
K	Zoology
L	Medicine
M	(Other) applications of sciences, Useful arts

Δ	Spiritual experience and mysticism

Humanities

N	Fine arts
O	Literature
P	Linguistics
Q	Religion
R	Philosophy
S	Psychology
T	Education
U	Geography
V	History
W	Political science
X	Economics
Y	(Other) social sciences including sociology
Z	Law

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b112	Special
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b133	Functional; physiological. (To be further divided by the train of Organ characteristics as in 'L **Medicine**')
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d	**Museums, exhibitions**
e	**Instruments, machines, appliances, formulas**
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n	Yearbooks, directories, calendars, almanacs
p	Conferences, congresses, conventions
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t	Commissions, committees
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7384	Connecticut
7385	Massachussetts
7386	New Hampshire
7387	Maine
7391	Rhode Island
74	**Mexico**
7414	**Yucatan**
75	**Central America**
751	Guatemala
752	British Honduras
753	Salvador
755	Nicaragua
758	Costa Rica
76	Alaska
77	Panama
791	**South America**
7911	**Uruguay**
7913	**Argentine Republic**
7914	**Chile**
7915	**Paraguay**
79161	**Bolivia**
79162	**Peru**
79163	**Ecuador**
79164	**Colombia**
79171	**Venezuela**
79172	**British Guiana**
79173	**Dutch Guiana**
79174	**French Guiana**
7918	**Brazil**
79198	**Falkland Isles**
792	**West Indies**
7921	**Trinidad**

7922	**Windward and Seaward Islands**
7924	**Porto Rico**
7925	**Haiti**
7926	**Jamaica**
7927	**Cuba**
7928	**Bahamas**
8	**Australia**
81	**Queensland**
82	**New South Wales**
8291	**Hunter Islands**
83	**Victoria**
84	**South and Central Australia**
85	**Western Australia**
86	**North Australia**
89	Islands
8921	Tasmania
9	**Oceans**
91	**Indian Ocean**
92	**Antarctic Ocean**
93	**Pacific Ocean**
931	Philippine and other associated islands
933	New Guinea
934	Melanesia
935	Micronesia
9358	Solomon Islands
936	Polynesia
9365	Samoa
9368	Fiji
937	New Zealand
9391	Aleutian Islands
9392	Hawaii
94	**Arctic Ocean**
943	**Spitsbergen**
95	**Atlantic Ocean**

MNEMONIC DIGITS

To be applied after Geographical number before **Alphabetic Device** *is used for individualisation*

C	Cities, towns, villages, *etc.*
D	Deserts
L	Lakes, tanks, *etc.*
M	Mountains, hills, peaks, *etc.*
R	Rivers, canals, *etc.*

4 LANGUAGE DIVISIONS

1	**Indo-European**
11	**Teutonic**
11011	Gothic
110153	Low Frisian
110155	Old Frisian
111	English
112	Dutch
113	German
114	Swedish
115	Norwegian
116	Danish
117	Icelandic
12	**Latin**
121	Italian
122	French
123	Spanish
124	Portuguese
128	Celtic
1283	Welsh
1285	Irish
1287	Scotch. Gaelic
13	**Greek**
14	**Slavonic**
141	Lethic
142	Russian
143	Bulgarian
144	Illyrian
1441	Slav
1442	Servian
145	Polish
146	Bohemian
15	**Sanskrit**
151	Prākṛt
1511	Pāli
1512	Mahārāṣṭrī
1516	Ardhamāgadhī
1517	Māgadhī
1518	Apabhramśa
15198	Sinhalese
152	Hindī
153	Panjābī
154	Gujarātī
155	Marāṭhī
156	Uriyā
157	Beṅgāli
158	Nepāli
16	**Iranian**
161	Avestic
162	Pahlavi
164	Persian
165	Afghan (Pushtu)
168	Urdu
17	Armenian
18	Albanian
191	Tockarish
192	Phyrigian
197	Hittite
2	**Semitic**
21	Babylonian including Syriac
22	Assyrian
24	Aramaic

25	Hebrew
26	Phoenician
28	Arabic
3	**Dravidian**
31	Tamil
32	Malayāḷam
33	Kānarese
34	Tuḷu
35	Telugu
36	Kūi
38	Brāhūi
39	Toḍa, etc.
4	**Other Asiatic languages**
5	**Other European languages**
6	**Other African languages**
7	**Other American languages**
8	**Other Australian languages**
9	**Other oceanic languages**

N.B. *Divisions 4-9 to be divided by the Geographical Device.*

(Illustrative)

467	Sumerian
99	**Artificial languages** *To be divided by the Chronological Device*

(Illustrative)

99M17	Solresol
99M75	Lingualumina
99M80	Volapuk
99M84	Blaia Zimondal
99M86	Cabe Aban
99M87	Esperanto
99N03	Interlingua 'Latino Sina flex'
99N07	Ido
99N23	Hom-idyomo

5 CHRONOLOGICAL DIVISIONS

A	Before 1999 B. C.	N	1900 to 1999 A. D
B	1999 to 1000 B. C.	P	2000 to 2099 A. D.
C	999 to 1 B. C.	Q	2100 to 2199 A. D.
D	1 to 999 A. D.	R	2200 to 2299 A. D.
E	1000 to 1099 A. D.	S	2300 to 2399 A. D.
F	1100 to 1199 A. D.	T	2400 to 2499 A. D.
G	1200 to 1299 A. D.	U	2500 to 2599 A. D.
H	1300 to 1399 A. D.	V	2600 to 2699 A. D.
I	1400 to 1499 A. D.	W	2700 to 2799 A. D.
J	1500 to 1599 A. D.	X	2800 to 2899 A. D.
K	1600 to 1699 A. D.	Y	2900 to 2999 A. D.
L	1700 to 1799 A. D.	Z	3000 to 3099 A. D.
M	1800 to 1899 A. D.	AA	3100 to 3199 A. D.

9 GENERALIA

Canonical divisions

1 Bibliography
2 Library science
3 Dictionaries, encyclopaedias
4 Societies
5 Periodicals
61 Congresses
62 Commissions
63 Exhibitions
64 Museums
7 Biographies
8 Year-books
9 Works, essays
98 Theses

1 BIBLIOGRAPHY

1 [M]: [B]

Divisions based on the train of **Material** *or* **M** *Characteristic*

1 Tablets
2 Manuscripts
3 Pictures
35 Films
4 Printed books
41 Incunabula
53 Gramophone records
55 Filmed books
8 Books for the blind

Divisions based on the train of **Bibliographical** *or* **B** *Characteristic*

1 Publications in a particular geographical area
2 Publications dealing with a particular geographical area
3 Publications in or dealing with a particular language
4 General catalogue of a library
5 General catalogue of a publishing agency
7 Reference books
91 Childrens' books

2 LIBRARY SCIENCE

2 [P]: [L]

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Building and equipment
11 Stack room
12 Catalogue room
13 Reading room
14 Counter
15 Periodicals room
16 Office room

17	Exhibition room
18	Lecture room
19	Other rooms
4	**Administration**
41	Book selection
42	Book order
43	Periodicals work
44	Accessioning
45	Preparation of the book
5	**Technical**
51	Classification
55	Cataloguing
551	Internal form of the catalogue
5511	Alphabetic catalogue
5513	Dictionary catalogue
5515	Classified catalogue
555	External form of the catalogue
5551	Book form of catalogue
5552	Pastedown catalogue
5553	Sheaf catalogue
5555	Card catalogue
6	**Circulation work**
61	Within the library premises
62	For home reading
621	Books
622	Periodicals
623	Rules of lending
625	Interlibrary loan
65	Issue methods
7	**Reference work**
72	Publicity work
8	**Shelf work**
91	Nomenclature etc.

Divisions based on the train of **Library** *or* **L** *Characteristic*

1	**National and similar libraries**
11	National library
12	Central library
14	Copyright library
15	Regional library
2	**Public library**
21	Rural library
25	City library
3	**Academic library**
31	School library
32	College library
33	University library
34	Library of research organisations
4	**Business library**
41	Industrial library
42	Newspaper office library
45	Commercial library
48	Government departmental library
5	**Library for special classes**
51	Children's library
53	Prison library
54	Hospital library
55	Sea-men's library
58	Library for the blind
7	**Subscription library**
8	**Private library**
92	Manuscripts library
98	Archives

B MATHEMETICS

Canonical divisions

B1	**Arithmetic**
B2	**Algebra**
B3	**Analysis**
B4	**Other methods**
B5	**Trigonometry**
B6	**Geometry**
B7	**Mechanics**
B8	**Physico-mathematics**
B9	**Astronomy**

B1 ARITHMETIC

B11	Lower arithmetic
B111	Numeration
B112	Notation
B113	Arithmetical operations
B114	Approximations
B12	**Concept of numbers**
B13	**Integers (theory of numbers)**

B13 [N] : [P] : [M]

Divisions based on the train of **Number** *or* **N** *Characteristic*

1	Prime numbers
2	Numbers defined by factor properties
21	Highly composite numbers
5	Numbers defined by partition properties

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1	Primality and divisibility
2	Distribution
3	Diophantine equations

Special equations by the Chronological Device (illustrative)

3K57	Pell's equation
5	Forms including partitions

Special forms by the Chronological Device (illustrative)

5K37	Fermat's last theorem
5L42	Goldbach's theorem
5L50	Waring's problem
9	Associated arithmetic functions

Special arithmetic functions by the Chronological Device (illustrative).

9L60	ϕ function
9M32	μ function
9M97	Merten's function

Divisions based on the train of **Method** *or* **M** *Characteristic*

1	Elementary arithmetical methods

2 Algebraic methods
21 Elementary algebraic methods
22 Methods of rational approximations by continued fraction
23 Congruences
25 Method of algebraic forms
28 Method of probability
3 Analytical methods
36 Method of infinite series and products
38 Method of complex variable
39 By the use of special functions
(to be divided as B39)
6 Geometrical methods

B15 Algebraic numbers and ideal numbers
(to be divided as B13)

B16 Complex and hypercomplex numbers
(to be divided as B13)

B18 Transcendental numbers

B2 ALGEBRA

B21 Elementary algebra, *i.e.*, not involving infinite processes
B213 Fundamental operations and laws
B215 Ratio and proportion, variation
B216 Progressions
B217 Permutations and combinations

B22 Continued fractions
B221 Finite continued fractions

B23 Theory of equations

B23 [E] : [P]

Divisions based on the train of **Equation** *or* **E** *Characteristic*

1 Simple
2 Quadratic
3 Cubic
4 Biquadratic
6 Simultaneous
7 *n*th degree
8 Transcendental
9 Special

Special equations by the Chronological Device (illustrative)

9M29 Abelian equations
9M72 Sylow equations

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Numerical solutions
3 Symmetric functions
4 Elimination, resultant
5 Formal solutions
6 Graphical solutions
7 Existence of solutions, Galois theory

B24 **Determinants**
B245 Matrices

Special determinants by the Chronological Device (illustrative)

B24M12 Alternants

B25 **Higher algebra, forms, transformations, invariants, etc.**

B25 [F]: [D]: [T]

Divisions based on the train of **Form** *or* **F** *Characteristic*

2 Binaries
3 Ternaries
4 Quaternaries
7 *n*-naries

Divisions based on the train of **Degree** *or* **D** *Characteristic*

1 Linear
2 Quadratic
3 Cubic
7 *n*th degree

Divisions based on the train of **Transformation** *or* **T** *Characteristic*

1 Linear transformations
18 Special invariants
2 Quadratic transformations
28 Special invariants
3 Cubic transformations
38 Special invariants
7 *nic* transformations
78 Special invariants
8 Special transformations

Special transformations by the Chronological Device (illustrative)

8M63 Cremona transformations

B27 **Groups**
B271 Finite groups

B28 **Statistics**
B281 Probability
B2813 Normal equations
B2817 Sampling
B2818 Theory of attributes
B282 Frequency curves
B283 Histograms
B284 Averages and index numbers
B285 Correlation
B286 Periodogram analysis

B29 **Algebras**

B3 ANALYSIS

B31 **Foundations**
B311 Numbers
B3111 Ordinal
B3113 Cardinal
B3114 Transfinite

B313 **Function-space**
B313N08 Hilbert space
B316 Topology

B32 **Calculus**
B321 Differential calculus
B324 Partial differentiation
B325 Integral calculus
B3255 Definite integrals
B328 Multiple integrals

B33 Differential and integral equations

B33 [E] : [D] : [O] : [P]

Divisions based on the train of **Equation** *or* **E** *Characteristic*

1 Ordinary
2 Simultaneous
3 Total differential
4 Partial
5 Integral

Divisions based on the train of **Degree** *or* **D** *Characteristic*

1 Linear
2 Quadratic
3 Cubic
4 Quartic
5 Quintic
6 Sextic
7 *n*th degree

Divisions based on the train of **Order** *or* **O** *Characteristic*

1 First
2 Second
3 Third
4 Fourth
5 Fifth
6 Sixth
7 *n*th

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Numerical solutions
5 Formal solutions
52 Algebraic theory
53255 Solution by definite integrals
56 Solution by infinite series
58 Singular solutions
6 Graphical solutions
7 Existence of solutions

B34 Continuous groups

B35 Differential forms

B36 Infinite series

B361 Sequences
B362 Series of positive terms
B363 Alternating series
B365 Infinite products
B369 Divergent series

Special series by the Chronological Device (illustrative)

B36M22 Fourier's
B36M39 Dirichlet's

B37 Real variable

B37 [V] ; [P]

Divisions based on the train of **Variable** *or* **V** *Characteristic*

1 Single variable
2 Two variables
7 *n* variables

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Integrals

Special theories by the Chronological Device (illustrative)

1M23 Cauchy integrals
1M54 Riemann integrals

1N02 Lebesgue integrals
2 Analytic representation
22 As a continued fraction
23 As a definite integral
26 As an infinite series
265 As an infinite product
4 Singularities
5 Distribution of values
7 Maximum-mini m u m principles
8 Inequalities and mean values
92 Families of functions

B38 Complex variable
B38 [V] : [P]
Divisions based on the train of **Variable** *or* **V** *Characteristic*

1 Single variable
2 Two variables
7 *n* variables

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Cauchy's theorem and complex integration
2 Analytic representation
22 Approximation by polynomials
23 As a contour integral
26 As an infinite series
265 As an infinite product
3 Analytic continuation
4 Singularities
41 Poles
45 Essential singularities
5 Distribution of values
59 Exceptional values
6 Conformal representation and uniformisation
7 Maximum - minimum principles
8 Inequalities and mean values
92 Families of functions

B39 Special functions
B391 Elementary functions defined by a finite number of algebraic operations
B392 Integrals of algebraic functions

Subdivisions by the Chronological Device (illustrative)

B392L57 Hyperbolic functions
B392L84 Elliptic functions
B392M26 Hyperelliptic functions
B392N11 Prym functions
B393 Functions defined by contour integrals.

Subdivisions by the Chronological Device (illustrative)

B393L30 Eulerian functions, gamma functions

B393M09 Lie functions
B393M24 Bessel functions, cylindrical harmonics
B394 Functions defined by differential and integral equations

Subdivisions by the Chronological Device (illustrative)

B394L85 Laplace function, Legendere function, spehrical harmonics
B394M28 Green's function, harmonic function
B394M39 Lame's function, ellipsoidal harmonics
B394M73 Mathieu's functions
B396 Functions defined by infinite series and products

Subdivisions by the Chronological Device (illustrative)

B396M12 Hypergeometric series, Hermite's functions
B396M31 Integral functions
B396M59 Zeta function
B397 Functions defined by groups, automorphic functions
B398 Functions of position defined in the manner of Riemann
B399 Functions qualitatively defined
B399M42 Meromorphic functions
B399N17 Quasi-analytic functions
B399N23 Almost periodic functions

B4 OTHER METHODS

B41 Calculus of finite differences
B42 Calculus of variations
B43 Calculus of functional analysis
B44 Graphical calculus and nomography
B45 Quaternions
B46 Vector analysis etc.
B463 Tensor calculus and absolute calculus
B466 Vector analysis
B48 Operational calculus
B491 Mathematical calculations

B5 TRIGONOMETRY

B52 Plane trigonometry
B53 Spherical trigonometry

B6 GEOMETRY

B6 [S]: [M]

Divisions based on the train of **Space** *or* **S** *Characteristic*

1	**Foundations**
2	**Plane**
21	Configurations essentially made up of points and straight lines only
22	Curves of the second degree
23	Curves of the third degree
24	Curves of the fourth degree
25	Curves of the fifth degree
27	Algebraic curves in general
28	Transcendental curves
3	**Three dimensions**
31	Configurations essentially made up of points, straight lines and planes only
32	Surface of the second degree
33	Cubic surface
34	Quartic surface
36	Curves in space
36M47	Knots
4	**Four dimensions**
5	**Five dimensions**
7	***n* dimensions**
9	**Non-Euclidean**
91	Elliptic
92	Hyperbolic
M46	Line-complex

Divisions based on the train of **Method** *or* **M** *Characteristic*

1	Enumerative
2	Algebraic
23	Elementary co-ordinate geometry
25	Algebraic geometry with the use of higher algebra
3	Differential geometry
32	Infinitesimal geometry
34	With the aid of vectors
35	Higher differential geometry
4	Practical geometry
5	Descriptive geometry
6	Pure geometry
7	Projective geometry including differential projective geometry

B7 MECHANICS

Divisions based on the train of **Matter** *or* **M** *Characteristic*

1	**Solids**
11	**Particles**
117	Systems of particles. Chains
12	Surfaces

127	Systems of surfaces. Flexible surfaces
13	**Rigid bodies**
137	Systems of rigid bodies. Jointed frames
15	Elastic bodies
19	Special systems
192	Tops. Gyroscopes
193	Ballistics
196	Pendulums
5	**Liquids**
51	Perfect
55	Compressible
56	Viscous
8	**Gases**

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1	**Fundamental principles**
11	Inertia
111	Centre
112	Moments and axes
12	D'Alembert's
13	Hamilton's. Least action
15	**Archimedes'**
151	**Centre of pressure**
162	Virtual velocity
163	Virtual work
2	**Motion. Dynamics**
21	Kinematics
22	Kinetics
221	Single force. Central forces
222	Multiple forces
224	Impulses
24	Constrained motion
25	Irrotational
251	Streamline
253	Turbulent
254	Discontinuous
26	Rotational
291	Motion of solids (in liquids and gases)
3	**Equilibrium. Statics**
391	Floating bodies
5	**Vibrations**
55	Waves
61	Tautochrones
63	Brahystochrones
66	Isochronism

B8 PHYSICO-MATHEMATICS

B82	Potential function and attraction
B85	Wave function

B9 ASTRONOMY

B9 [B]:[P]

Divisions based on the train of **Body** *or* **B** *Characteristic*

1	**Earth**
2	**Moon**
3	**Sun**
4	**Planets**
41	Mercury and infra-Mercurial
42	Venus
43	Mars

44 Asteroids
45 Jupiter
46 Saturn
47 Uranus
48 Neptune
49 Trans-Neptunian

5 Meteors and comets
51 Meteors
52 Comets
55 Zodiacal light

6 Stars
61 Constellation stars
62 Double stars
63 Multiple stars
64 Clusters and nebulæ
641 Milky way

7 Planetary systems
78 Satellites

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Chronology
11 Year
112 Lunar year
113 Solar year
12 Month
122 Lunar month
123 Solar month
13 Week
14 Day
143 Solar day
1431 True solar day
1432 Mean solar day

1435 Equation of time
146 Sidereal day
15 Subdivision of day
16 Time reckoning
161 Sidereal time
162 Local time
165 Standard time

17 Calendars
18 Eras

2 Geodetic astronomy
21 Geographical positions
22 Meridian
23 Longitude
24 Latitude

5 Spherical astronomy
51 Celestial sphere and coordinates
52 Reduction to centre of earth
521 Refraction
5212 Dip of horizon
5215 Twilight
522 Parallax
53 Correction for movement of earth
531 Aberration
532 Annual parallax
535 Star reduction
55 Position of the pole
56 Ecliptic

57 Eclipses
575 Occultations
578 Transits
58 Calculations of ephimerides

6 Physical astronomy, astrophysics
61 Position
611 Movement
62 Constants
621 Dimensions and figure

622	Mass
623	Density
624	Distance
63	Rotation and surface
631	Rotation
635	Surface
6358	Atmosphere
642	Temperature
643	Radiation
652	Brightness
653	Spectroscopy
67	Age
68	Constitution
7	**Theoretical astronomy, celestial mechanics**
72	Orbits
73	Problem of three bodies
74	Perturbations, planetary theory
75	Perturbations, lunar theory
76	Rotation and figures of equilibrium
77	Perturbed rotation
78	Tides
8	**Cosmogony**

C PHYSICS

Canonical divisions

C1 Fundamentals
C2 Properties of matter
C3 Sound
C4 Heat
C5 Light, radiation
C6 Electricity
C7 Magnetism
C8 Cosmic hypotheses (time, space, energy, matter)

C1 Fundamentals

3 Matter
31 Weight
38 Gravitation
4 Energy
5 Space
51 Linear dimensions
52 Areas
53 Volumes
6 Time

C2 PROPERTIES OF MATTER

C2 [S] : [P]

Divisions based on the train of **State** *or* **S** *Characteristic*

1 Solids
16 Crystals
5 Liquids
8 Gases
85 Molecular rays
86 Corpuscular rays
863 Canal rays, α rays
866 Cathode rays, β rays

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Density
2 Hardness, touch, taste, smell
5 Elasticity
51 Elongation
52 Bending
53 Elasticity of volume
55 Elasticity of shape
6 Capillarity etc.
61 Capillarity
62 Surface tension
63 Viscosity
7 Pressure
76 Vacuum

C3 SOUND

C3 [W] : [P]

Divisions based on the train of **Wave length** *or* **W** *Characteristic*

1 Audible sound
2 Infra sound
5 Ultra sound

Divisions based on the train of
Problem *or* **P**
Characteristic

1 Propagation
11 Velocity
12 Reflection
13 Refraction

2 Intensity

3 Pitch etc.
31 Pitch
33 Musical scale
35 Resonance
358 Resonators
38 Analysis

5 Beats, diffraction, interference

8 Nature

C4 HEAT

Divisions based on the train of
Problem *or* **P**
Characteristic

1 Transference
13 Convection
14 Conduction
15 Radiation

2 Thermometry
21 Low temperature measurement
27 Pyrometry (high temperature measurement)
29 Thermometers

3 Calorimetry etc.
31 Calorimetry
32 Quantity of heat
33 Specific heat

4 Expansion of bodies

5 Change of state
51 Fusion
511 Solidification
512 Melting point
513 Change of volume during fusion
514 Latent heat of fusion
52 Sublimation
55 Vaporization, evaporation, ebullition
551 Liquefaction
552 Boiling point
554 Latent heat of vaporization
58 Critical state
582 Critical point

7 Thermodynamics
71 First law
714 Mechanical equivalent of heat
72 Second law
722 Absolute temperature
73 Third law

8 Nature of heat

C5 LIGHT. RADIATION
C5 [W] : [P]

Divisions based on the train of
Wave length *or* **W**
Characteristic

1 Visible rays
12 Red
13 Orange
14 Yellow
15 Green

16 Blue
17 Indigo
18 Violet
2 Ultra violet rays
3 X-rays
4 Gamma rays
5 Cosmic rays
6 Infra red rays
7 Hertzian waves

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Propagation
11 Velocity
12 Reflection
13 Refraction
2 Photometry
3 Dispersion, spectroscopy
31 Technique of the spectrum
32 Continuous spectrum
33 Band spectrum
34 Line spectrum
38 Effects

Special effects by the Chronological Device (illustrative)

38M76 Kerr effect
38M96 Zeeman effect
38N13 Stark effect
38N23 Compton effect
38N28 Raman effect

5 Interference etc.
51 Interference
55 Diffraction
58 Scattering

6 Double refraction and polarization
65 Elliptic polarization
68 Rotatory polarization
7 Absorption etc.
71 Absorption
72 Emission
73 Fluorescence
74 Phosphorescence
8 Nature of light

Special theories by the Chronological Device (illustrative)

8K75 Corpuscular theory
8K90 Wave theory
8M00 Elastic solid theory
8M65 Electromagentic theory

C6 ELECTRICITY

C6 [E] : [P]

Divisions based on the train of **Electricity** *or* **E** *Characteristic*

2 Current electricity
23 Direct current
24 Alternating current
242 Two-phase
243 Three-phase
248 Multiphase
25 Weak current
3 Statical electricity

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Production, storage, propagation
11 Primary cells

12 Induction
14 Conduction
141 Dielectrics
15 Radiation
18 Secondary cells. Storage

2 **Potential**
3 **Measurement**
4 **Transformation into other forms of energy.**
44 Thermo-electricity
45 Photo-electricity
47 Magneto-electricity
8 **Nature of electricity**

C7 MAGNETISM
C7 [M] : [P]

Divisions based on the train of **Magnetism** *or* **M** *Characteristic*

2 Dia magnetism
3 Para magnetism
4 Ferro magnetism
5 Terrestrial magnetism

Divisions based on the train of **Problem** *or* **P** *Characteristic*

2 Intensity
8 Nature

C8 COSMIC HYPOTHESES
(Time, space, energy, matter)

Special theories by the Chronological Device (illustrative)

C81 Time, space

Special theories by the Chronological Device (illustrative)

C81N05 Relativity (special)

C82 Energy, matter

Special theories by the Chronological Device (illustrative)

C82N26 Wave mechanics, statistical mechanics

C83 Matter

Special theories by the Chronological Device (illustrative)

C83M57 Kinetic theory
C83M95 Electron theory
C83M96 Radioactivity

C84 Energy

Special theories by the Chronological Device (illustrative)

C84K86 Gravitation
C84M60 Ether theory
C84M65 Electromagnetic theory
C84N01 Quantum theory

C85 Space
C86 Time
C8N05 Relativity (general)

D ENGINEERING

D [W]: [P]: [E]

D6—[S]: [P]: [E]

Divisions based on the train of **Work** *or* **W** *Characteristic*

1	**Building and building material**
11	Wood
12	Earth
124	Refractory materials
13	Brick
14	Stone
141	Granite
143	Sand stone
15	Cement
16	Reinforced concrete
18	Steel and other metals
19	Others
191	Plywood
194	Caves
2	**Irrigation and drainage work**
24	Underground water
26	River
27	Tank
28	Drainage
284	Subsoil
3	**Mining**
4	**Transport—track**
41	Land transport
411	**Roads, highways**
4111	Wood paved
4112	Earth
4113	Macadam
41131	Water bound
41132	Tar bound
4114	Stone paved
4115	Cement
4116	Reinforced concrete
4117	Asphalt
4119	Other kinds
415	**Rail roads**
4151	Street railways
4152	Light railways
4153	Ordinary railways
41531	Narrow gauge
41532	Metre gauge
41533	Standard gauge
41534	Broad gauge
4154	Underground railways
4156	Mountain railways
416	**Bridges**
4161	Wooden
4162	Suspension
4163	Masonry
4164	Stone
4165	Culverts
4166	Reinforced concrete
4168	Steel
4169	Other bridges

41698 Cantilever
4194 Tunnels

42 Water transport
421 Inland canal
423 River
424 Inter-oceanic canal
425 Ocean
4254 Submarine

43 Air transport
44 Rope ways
5 Transport—vehicles
51 Land transport vehicles
511 Vehicles carried by muscular power
5111 Palanquin
5112 Chairs
5113 *Dolies*
512 Vehicles drawn by muscular power
5121 Country carts
5122 Spring carts
5125 Cycles
513 Vehicles drawn by mechanical power
5132 Motor trucks
5133 Motor cars
5135 Motor cycles

515 Railroad vehicles
5151 Tram cars
5153 Railway carriages
51532 Railway trucks
515321 Open trucks
515322 Parcel vans
515323 Animal van
515325 Oil vans
515328 Trucks for heavy goods
51533 Passenger carriages
515331 Saloons
515332 Higher class carriages
515333 Lower class carriages
515334 Military carriages
515335 Dining cars
515336 Tourist carriages

52 Water transport vehicles
521 Boats
523 Steam boats
525 Ships
5251 Sailing ships

5253 Steam and motor ships
52532 Cargo ships
525325 Old ships
52533 Passenger ships
52534 Men-of-war
5254 Submarines

53 Air vehicles
531 Air vehicles lighter than air
535 Air vehicles heavier than air
54 Stratosphere vehicles

6 Mechanical engineering
62 Principles of mechanism and special devices
621 Shafting

6211 Shaft
62115 Flexible shaft
6212 Bearings
62121 Journal bearings
62122 Pillow blocks, hanger brackets
62123 Pivot bearings
62124 Collar bearings
62125 Ball and roller bearings
622 Belt gearing
6221 Pulleys
6222 Belting
6223 Belt shifters
6224 Rope transmission
6225 Chain gearing
6226 Link belting
623 Toothed gearing, cams
624 Screws
625 Springs
626 Valve gear
627 Lubrication

6291 Governors, regulation and control
6292 Speed and revolution indicators
6296 Dynamo-meters

635 Hydraulic engineering
6351 Water wheel
6353 Piston engines
6355 Turbines

638 Pneumatic engineering
6381 Windmill
6385 Turbines
6387 Compressed air

64 Heat engines
641 External cumbustion engines, steam engines
643 Piston engines
645 Turbines

646 Internal cumbustion engines
6465 Oil engines
6466 Diesel engines
6467 Gas engines
6468 Hot air engines

66 Electrical engineering
663 Direct current
664 Alternating current
6642 Two-phase
6643 Three-phase
6648 Multi-phase
665 Weak current
666 Wireless, high frequency

8 Municipal and sanitary engineering
85 Water supply
851 Sources and head works
8514 Underground
85141 Wells
85144 Artesian wells
8517 Rivers
8518 Reservoirs, tanks, lakes
854 Pollution
855 Purification
8551 Mechanical treatment

85511 Settling
85512 Filtration
855121 Natural
855122 Sand
855128 Domestic filters
8552 Physical treatment
85525 Ultra violet ray
85526 Electrical
8553 Chemical treatment

(To be divided by substance used as in 'E Chemistry')

856 Distribution
8561 Pumping station
8562 Water tower
8564 Pipes
85641 Main pipes
85645 House connections
85698 Prevention of waste

86 Sewage
862 House connection
864 Sewers
865 Pumping station
866 Sewage disposal
8662 Irrigation, sewage farms
8664 Disposal into streams, sea, etc.
8665 Purification
8666 Septic tanks

88 Municipal refuse and waste
882 House collections
885 Street cleaning
886 Refuse disposal

Divisions based on the train of **Part** *or* **P** *Characteristic*

(For **1 Building** *and its subdivisions)*

1 Earth work
2 Foundations
3 Floor
4 Supports
41 Walls
45 Pillars
5 Stair ways
6 Roofs
61 Beams and trusses
62 Rafters
63 Roof covering
7 Windows
72 Window frames
75 Window gratings
78 Window shutters
8 Doors
82 Door frames
85 Hinges
88 Door proper
89 Fastening devices
9 Ventilation, etc.
91 Domestic water supply
92 House drainage
93 Ventilation
94 Heating, cooling
95 Lighting
98 Sanitary fittings
996 Lightning protection

(For **2 Irrigation** *and its subdivisions)*

1 Source, catchment
2 Head works

3 Surplus works
4 Distributive works
5 Cross-drainage works.
8 Flood protecting and river training work

(*For* **3 Mining** *and its subdivisions*)

1 **Preliminaries**
11 Excavation
12 Quarrying
13 Drilling, blasting
14 Deep boring
15 Shaft sinking
16 Tunnelling and drifting
17 Stoping
18 Timbering, masonry lining

2 **Ore dressing**
21 Preliminary operations
22 Hand dressing
23 Crushing, stamping engine
24 Screening
25 Jigging, ore concentrators
26 Slime treatment
27 Magnetic separation
28 Washing
29 Dressing works

4 **Hoisting, transport**
44 Underground roads
45 Vehicles
46 Haulage
47 Hoist and elevators
48 Surface transport

7 **Dangers and accidents**
71 Fire damp
72 Mine fires
73 Crushing and fall of ground
74 Flooding
75 Accidents to miners
76 Rescue and relief
92 Drainage
93 Ventilation
94 Heating, cooling
95 Lighting

(*For* **411 Roads** *and its subdivisions*)

1 **Earth work**
2 Foundation

3 **Surface**
4 Gradients
5 Curves
6 Pavements
7 Berms, avenue, etc.
8 Gates, traps
9 Other parts
92 Drainage arrangement
94 Signals

(*For* **415 Railways** *and its subdivisions*)

1 **Earth work**
2 Foundation
3 Surface
31 Ballast
33 Sleepers
35 Rails
4 Gradients
5 Curves
6 Banks, cuttings

7 Berms

8 Station yards
85 Points and crossings
87 Platforms
9 Other parts
92 Drainage
94 Signals

(*For* **416 Bridges** *and its subdivisions*)

1 Earth work
2 Foundation
4 Piers, abutments and wing walls
5 Wind brasings, parapets, etc.
6 Bridge proper
8 Approaches, river training works

(*For* **42 Waterways** *and its subdivisions*)

1 Earth work, dredging
4 Locks
7 Towpaths
8 Harbours
87 Jettys, piers
88 Docks
94 Signals

(*For* **43 Airways** *and its subdivisions*)

8 Aerodromes
94 Signals

(*For* **5 Vehicles** *and its subdivisions*)

1 Wheels and tyres
2 Axle
5 Springs
6 Body
61 Steps
63 Floor
64 Supports
65 Stairways
66 Roof
67 Windows
68 Doors
7 Propelling arrangement
8 Braking arrangement

Divisions based on the train of **Secondary work** *or* **S** *Characteristic*

(*For* **6 Mechanical Engineering** *and its subdivisions*)

1 Generation
2 Transmission
3 Transformation
4 Traction

(*To be subdivided on the analogy of Work Division 5*)

5 Illumination
6 Machinery
7 General machinery
71 Lifts
711 Jacks, derricks
712 Elevators
72 Hoisting machinery
73 Conveying machinery
74 Pressing machinery
8 Workshop machinery
81 Planing machines

811 Planers
812 Shapers
813 Slotting machines
814 Grooving machines
82 Turning machines
821 Lathes
824 Screw cutting machines
825 Milling machines
831 Saws
835 Shears
84 Perforating machines
841 Punching machines
8418 Multiple punching machines
845 Drilling machines
851 Filing machines
852 Emery wheels
853 Grind stones
854 Abrasives
86 Bending machines including straightening machines
87 Hammers
88 Crushing machines

9 Other machinery

Divisions by the Subject Device (Illustrative)

9D201 Excavating machinery
9D85 Pumping machinery
9M14 Printing machinery
9M7 Textile machinery
9MC421 Refrigerating machinery
9MJ38 Flouring machines
9MJ381 Rice husking machines

Subdivisions of divisions based on the train of **Secondary work** *or* **S** *Characteristic (illustrative)*
(For **64 Heat engines** *and its subdivisions)*

1 **Generation**
12 Engine room
121 Engine
15 Fuel

(For **66 Electrical engineering** *and its subdivisions)*

1 **Generation**
11 Prime mover and its adjuncts
1135 Hydraulic
114 Heat engine
12 Generating room
121 Generator

Special types indicated by Chronological Device

122 Cables to the bus room
123 Metering transformers
1234 Circuit breakers
125 Swith-gear
126 Condenser well
13 Bus structure
131 Buses
132 Feeders
133 Metering transformers
134 Circuit breakers
14 Transformers

15 Switch-gear
16 Control room
18 Storage

2 Transmission
21 Overhead
24 Underground
254 Submarine
29 Special problems
291 Corona
292 Insulation
294 Short circuits
296 Lightning protection

3 Transformation
31 Voltage
32 Current
33 Frequency
34 Phase
36 A. C. to D. C. and *vice versa*
38 Motors

4 Transport

In addition to the divisions under **'5 transport'** *the following are to be used*

45 Television
47 Telegraphy
48 Telephony
485 Broadcasting

Divisions based on the train of **Engineering** *or* **E** *Characteristic*

1 Applied mechanics
11 Structural mechanics
111 Beams, cantilevers
112 Columns
113 Frames
114 Moving loads
115 Retaining walls
116 Slabs
117 Arches
118 Wind stresses

13 Graphical statics
15 Hydraulics
151 Catchment
155 Flow
1551 In pipes
1552 In channels

18 Pneumatics
185 Flow
1851 In tubes
1858 Air currents

2 Surveying
21 Levelling
22 Land surveying
221 Theodolite survey
28 Aerial surveying

32 Strength of materials
35 Elastic stability
4 Design, drawing
5 Specifications, quantities
6 Estimates, values
7 Construction, execution
71 Earthwork and excavation
78 Measurements
8 Working, etc.
81 Testing
82 Maintenance
825 Renewals

83	Working
85	Repairs

Divisions of Common Subdivision digit 'e'
(illustrative)
(For Work Division 66)

e1	Resistance meters
e11	Ohm meters
e12	Resistance-boxes
e16	Wheatstone's bridge
e2	Voltage meters
e21	Voltmeters
e211	Voltage detectors
e3	Current meters
e31	Ammeters
e32	Coulombmeters
e33	Ampere hour meters
e34	Voltameters
e4	Quantity meters
e41	Watt meters
e5	Energy meters
e51	Watt-hour meters
e52	Power-factor meters

E CHEMISTRY

E [P]: [S]

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1	**General**
11	Preparation
13	Isomorphism
14	Atomic weight, molecular weight
17	Periodic system
2	**Physical chemistry**
21	Chemical combination and action
211	Laws of chemical combination
213	Statics and dynamics of chemical action
2131	Combustion, flame
2133	Phase rule
2136	Ionisation
214	Chemical affinity
215	Valency
22	**Solutions**
2201	Solubility
2204	Thermal effect
2205	Photo effects
2206	Electrical effect
2207	Magnetic effect
221	Solids
225	Liquids
228	Gases
23	Mixtures
231	Alloys
232	Absorption, surface phenomena
235	**Colloids**
236	Emulsions
237	Osmosis
238	Aerosol
2381	Occlusion
24	Thermochemistry
25	Photochemistry
26	Electrochemistry
27	Magnetochemistry
28	Stereochemistry, etc.
281	Allotropy
282	Isomerism
296	Radio chemistry
3	**Analytical chemistry**
33	Qualitative
34	Quantitative
35	Volumetric
36	Gravimetric
39	Micromethods

Subdivisions applicable to 3 and its divisions

04	Thermo methods
05	Photo methods
06	Electro methods
4	**Synthesis**
5	**Extraction**

7	**Biochemistry**
(All the divisions of E based on the train of P Characteristic are applicable to '7 Biochemistry')	
8	**Manipulation**
81	Oxidation, reduction
82	Hydration, dehydration
831	Crystallisation
832	Sublimation
835	Distillation
84	Manipulation of temperature
85	Indicator and test paper
856	Polarisation
86	Electrical methods
87	Fermentation
871	Direct
872	Indirect
877	Symbiotic
88	Catalysis
89	Other methods
891	Reagents
892	Filtration
893	Assaying
896	Glass-blowing
897	Absorption
898	Recovery of waste
91	Nomenclature, classification
95	Protection, painting, colouring
Divisions based on the train of **Substance** *or* **S** *Characteristic*	
1	**Inorganic substances**
10	**Group 0**
100	Helium (He)
101	Neon (Ne)
102	Argon (A)
104	Krypton (Kr)
106	Xenon (Xe)
109	Radon (Rn) Niton (Nt)
11	**Group 1**
110	Hydrogen (H)
1109	Lithium (Li)
111	Sodium (Na)
112	Potassium (K)
1129	*Ammonium*
113	Copper (Cu)
114	Rubidium (Rb)
115	Silver (Ag)
116	Cesium (Cs)
117	Dysprosium (Dy) or (Ds)
1179	Holmium (Ho)
118	Gold (Au)
12	**Group 2**
120	Beryllium (Be)
121	Magnesium (Mg)
122	Calcium (Ca)
123	Zinc (Zn)
124	Strontium (Sr)
125	Cadmium (Cd)
126	Barium (Ba)
127	Erbium (Er)
1279	Thulium (Tm) or (Tu)
128	Mercury (Hg)
129	Radium (Ra)
13	**Group 3**
130	Boron (B)

131 Aluminium (Al)
132 Scandium (Sc)
133 Gallium (Ga)
134 Yttrium (Yt) or (Y)
135 Indium (In)
136 Lanthanum (La)
137 Ytterbium (Vb)
1379 Lutecium (Lu)
138 Thallium (Tl)
139 Actinum (Ac)

14 Group 4
140 Carbon (C)
141 Silicon (Si)
142 Titanium (Ti)
143 Germanium (Ge)
144 Zirconium (Zr)
145 Tin (Sn)
146 Cerium (Ce)
1469 Praseodymium (Pr)
147 Celtium (Ct) or (Hf)
148 Lead (Pb)
149 Thorium (Th)

15 Group 5
150 Nitrogen (N)
151 Phosphorus (P)
152 Vanadium (V)
153 Arsenic (As)
154 Columbium (Cb) Niobium (Nb)
155 Antimony (Sb)
156 Neodymium (Nd)
157 Tantalum (Ta)
158 Bismuth (Bi)
159 Protoactinium (Pa)

16 Group 6
160 Oxygen (O)
161 Sulphur (S)
162 Chromium (Cr)
163 Selenium (Se)
164 Molybdenum (Mo)
165 Tellurium (Te)
166 Samarium (Sm)
1669 Europium (Eu)
167 Tungsten (W)
168 Polonium (Po)
169 Uranium (U)

17 Group 7
170 Fluorine (F)
171 Chlorine (Cl)
172 Manganese (Mn)
173 Bromine (Br)
174 Masurium (Ma)
175 Iodine (I) or (J)
176 Gadolinium (Gd)
1769 Terbium (Tb)
177 Rhenium (Re)

18 Group 8
182 Iron (Fe)
1829 Nickel (Ni)
183 Cobalt (Co)
184 Ruthenium (Ru)
1849 Palladium (Pd)
185 Rhodium (Rh)
187 Osmium (Os)
1879 Platinum (Pt)
188 Iridium (Ir)
191 Metals
1911 Noble metals
1917 Radio-active metals
192 Rare elements
193 Alloys
195 Non-metals
196 Isotopes
198 Air, gases

2 **Hydroxyls, basic oxides**

(To be divided by the constituent element and its valency)

27 **Binaries other than water, which are neither hydroxyls nor acids nor salts**

(To be divided successively by the two constituent elements and their respective valencies)

3 **Acids, acidic oxides**

(To be divided by the constituent element and its valency)

4 **Salts**

(To be divided by the constituent elements and their respective valencies)

5 **Organic substances**

6 **Aliphatic compounds**

61 **Paraffins**
611 Methane
612 Ethane
613 Propane
614 Butanes
615 Pentanes
616 Hexanes
618 *n*th homologue

63 **Olefines**
632 Ethylene
633 Propylene
634 Butylenes
638 *n*th homologue

64 **Di-olefines or allenes**
641 Allenes

65 **Acetylene series**
651 Acetylene
652 Allylene
658 *n*th homologue

67 Alycyclic compounds; camphors and terpenes

68 **Carbohydrates**
681 Monosaccharides
6811 Pentoses (arabinose)
6813 Hexoses (glucose)
682 Disaccharides
6821 Maltose
683 Trisaccharides
688 Polysaccharides
6891 Pentosans

6892 **Starch**
6893 Gums
6894 **Cellulose**
6898 Glucosides

7 **Aromatic compounds**

71 **Aromatic hydrocarbons**
711 Benzene
712 Naphthalene
713 Anthracine

72 **Reduced aromatic compounds**

8 **Heterocyclic compounds**

9 **Bio-substances**

92 Alkaloids

92J	Vegetable alkaloids
92K	Animal alkaloids
92Z	Proteins
92ZJ	Vegetable proteins
92ZK	Animal proteins
94	Fats
95	Pigments
96	Lipins
97	**Vitamins**
971	Vitamin A
972	Vitamin B
973	Vitamin C
974	Vitamin D
975	Vitamin E
977	Vitamin G
981	Chlorophyll
9814	**Porphyrine**
982	Enzymes
9821	Oxidases
9822	Hydrolytic enzymes
986	Hormones
993	Creatine and creatinine
994	Pectin
996	Sterids
998	Tannin

Other substances by the **Subject Device**
Divisions based on the train of **Combination** *or* **C**
Characteristic
(For substance numbers 5, 6, 7 and 8)

1	**Halogen derivatives**
2	**Hydroxyls alcohols phenols**
28	Derivatives of alcohol
281	Ethers
283	Aldehydes
285	Ketones
3	**Organic acids**
38	Derivatives of acids
383	Esters
385	Anhydrides
5	**Nitrogen compounds**
51	Amino-compounds
537	Azo-compounds
55	Diazo-compounds
57	Nitro-compounds
59	Other nitrogen compounds
591	Cyanogen compounds
6	**Sulphur compounds**
8	**Compounds with other elements**

F TECHNOLOGY

F [S] : [P]

Divisions based on the train of **Substance** *or* **S** *Characteristic*
Same as in **E Chemistry** *and in addition the following*

4414 Refractory materials
4416 Enamels
527 Celluloid
54 Alcohols
547 Wines
548 Beer
55 Fuels
551 Coal
555 Petroleum
5552 Petrol
558 Fuel gas
5591 Matches
5594 Explosives
56 Drugs
57 Textiles
573 Artificial silk
58 Dyes
5895 Paints
5897 Tanning materials
594 Poisons
596 Spices, condiments
5964 Vinegar
943 Edible oils
9491 Candles
9495 Drying oils
9496 Soaps

G NATURAL SCIENCE (GENERAL) AND BIOLOGY

G [O] : [P]

Divisions based on the train of **Organ** *or* **O** *Characteristic*	
1	**Basic and regional Life**
11	Cells
111	Cell membrane
1115	Cilia
112	Cytoplasm
1121	Cytoplasm proper
1122	Centrosome
1123	Chondriosomes
1124	Metaplastic bodies
113	**Nucleus**
1131	Nuclear membrane
1132	Chromatin
1133	Linin
1134	Nuclear sap, karyolymph
1135	Nucleoli
11351	Karyosome
11352	Plasmosome
1137	Golgi apparatus
116	**Gene**
12	Tissues

Other organ numbers same as in **L Medicine** *and* **I Botany** *as the case may be.*

Divisions based on the train of **Problem** *or* **P** *Characteristic*	
1	**Preliminaries**
11	Nomenclature, classification
12	Natural history
13	Popular description
14	Pictures
17	Collecting
18	Lists
19	**Microscopy**
192	Sectioning
195	Fixing
196	Mounting
198	Staining
1995	Microphotography
2	**Morphology**
3	**Physiology**
33	**Metabolism**
331	Anabolism
332	Katabolism
33C	Physical effects
33C2	Material vibration and movement
33C4	Heat production
33C5	Radiation production. Mitogenetic-radiation

33C6	Electrical effects
33C7	Magnetic effects
33E	Chemical effects
341	Inanition
345	Water fasting
346	**Fasting**
	Each of the above three to be divided as 33
394	Fatigue
4	**Pathology**
	(To be subdivided as in **L Medicine**)
5	**Ecology**
51	Preliminaries
511	Nomenclature, classification
52	State control. Conservation
54	Prevention of diseases and injuries
55	Environment
551	Ground
555	Water
556	Season
5561	Spiring
5563	Summer
5565	Autumn
5567	Winter
558	Air
56	Interrelation
563	Parasitism
565	Intolerance, struggle
567	Symbiosis
571	Abode
573	Nutrition
575	Cleanliness, toilet
576	Regulation of habits
58	Migration
59	Other habits
6	**Genetics, phylogeny**
61	Heredity
62	Variation
63	Mutation
64	Hybridisation
65	Survival of the fittest
66	**Evolution**
67	**Reproductive methods**
671	Abiogenesis
674	Parthenogenesis
675	Sexual
676	Asexual
677	Alternation of generations
7	**Ontogeny**
71	Fertilisation
72	Germination
73	Embryology
75	Growth after birth
751	New born
752	Toddler
753	Infant
755	Pre-adolescent
76	Adolescent
77	Adult
78	Old age
791	Death

H GEOLOGY

Canonical divisions

H1 Mineralogy
H2 Petrology
H3 Structural geology
H4 Dynamic geology
H5 Stratigraphy
H6 Palaeontology
H7 Economic geology
H8 Cosmic hypothesis

H1 MINERALOGY

H1 [S]: [P]

Divisions based on the train of **Substance** *or* **S** *Characteristic as in* **E Chemistry** *and the following additional divisions*

9 Precious stones
91 Diamond
92 Ruby and sapphire
921 Ruby
922 Sapphire
931 Opal
95 Topaz
96 Spinel
98 Pearl
9944 Agate

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Preliminaries

Subdivisions as in **G Biology** *and the following additional divisions*

15 Prospecting
155 Occurrence
16 Genesis
164 Artificial production

8 Crystallography
811 Nomenclature, classification
82 Structure, morphology
821 Isometric
822 Tetragonal
823 Hexagonal
8235 Trigonal and rhombohedral
824 Orthorhombic
825 Monoclinic
826 Triclinic
84 Irregularities
841 Twinning, gliding plane
844 Pseudosymmetry
85 Inclusions
864 Artificial production

H2 PETROLOGY

H2 [S]:[P]

Divisions based on the train of Substance *or* S *Characteristic*

1 Igneous rocks

11 Volcanic rocks

113 Rocks containing quartz and feldspars

1131 Obsidian

1132 Rhyolite

1133 Dacite

114 Rocks containing feldspars

1141 Pitchstone

1142 Trachyte

1143 Andesite

1144 Basalt

1145 Tachylyte

115 Rocks containing feldspars and feldspathiods

1151 Phonolite

1152 Leucitophyre

1153 Limburgite

119 Other volcanic rocks

15 Hypabyssal rocks

1511 Aplites

1512 Porphyries

1513 Lamprophyres

1531 Granophyre

1532 Felsite

154 Rocks containing feldspars alone

1541 Dolerite

1543 Tinguaite

17 Plutonic rocks

171 Arizonite, silexite

173 Rocks containing quartz and feldspars

1731 Granite

1733 Tonalite, granodiorite

174 Rocks containing feldspars

1741 Syenite

1744 Diorite

1747 Anorthite

1748 Gabbros

175 Rocks containing feldspars feldspathiods, etc.

1751 Nepheline syenite

1752 Theralite

1753 Teschenite

1756 Ijolite

1758 Peridotite picrite

179 Other plutonic rocks

2 Metamorphic rocks

21 Rocks due to regional metamorphism

211 Rocks derived from igneous rocks

213 Rocks derived from sedimentary rocks

2131 Crystalline schists

2132 Slates

2133 Marble
2134 Steatite

23 Contact metamorphism

231 Lime stone
233 Shales and slates
235 Conglomerate and sand

3 Sedimentary rocks

31 Rudaceous

311 Conglomerate
312 Breccia

32 Arenaceous

321 Sandstone
322 Grit
323 Arkose
324 Quartzite
325 Gannister
326 Greywacke
327 Silt stone

33 Argillaceous

331 Clay
3311 Fire clay
3312 Fuller's clay
3313 Aeolian clay
3314 Abyssal clay
3315 Volcanic clay
3316 Residual clay
332 Mudstone
333 Shale
335 Marl
336 Calcareous shale

34 Chemical origin

3422 Calcareous
34221 Calcite
3423 Dolomite
3451 Phosphatic rocks
3482 Ferruginous
34821 Bedded iron ores
34823 Bog iron ores

35 Rocks due to organic origin

3522 Calcareous
35221 Lime stone
35222 Dolomitic lime stone
35223 Oolite and pisolitic lime stone
35224 Abyssal ooze
35225 Chalk

3540 Carbonaceous
35401 Peat
35402 Lignite

35403 Coal and anthracite

35404 Cannel and torbanite

35406 Oil shale
35407 Asphalt and asphaltic impregnation

3541 Silicious
35411 Chert and flint
35413 Silicious earth

5 Meteorites

Divisions based on the train of **Problem** *or* **P** *Characteristic*
(Same as those for mineralogy except '8')

H3 STRUCTURAL GEOLOGY

H31 Stratification
H32 Joints and cleavage

H33 Faults and folding
H34 Metamorphism
H35 Veins, dikes, necks, bosses
H36 Mountain building, orogeny

H4 DYNAMIC GEOLOGY

H41 Hypogene, internal dynamics
H411 Volcanoes
H412 Geysers, hot springs
H413 Movements and earth's crust
H4131 Slow depression, upheavals
H4132 Earthquakes
H418 Other internal actions

H42 Epigene or superficial action, external dynamics
H421 Glaciology
H422 Action of water
H4221 Rain
H4223 Floods
H4224 Underground water
H4225 Ocean
H4227 Rivers
H4228 Lakes
H423 Action of air
H424 Land slides
H426 Action of plants
H427 Action of animals
H428 Action of men

H5 STRATIGRAPHY

H51 Archean eozoic, pre-Cambrian
H52 Primary, palaeozoic
H521 Cambrian
H522 Ordovician
H523 Silurian
H524 Devonian
H525 Carboniferous
H526 Permian

H53 Secondary, mesozoic
H531 Triassic
H533 Jurassic
H534 Cretaceous

H54 Tertiary, cainozoic
H541 Eocene
H542 Oligocene
H543 Miocene
H544 Pliocene

H55 Quaternary
H551 Pleistocene
H555 Holocene or recent

I BOTANY

I [N] : [P]

I [N] : 1— : [G]

I [N] : 5— : [G] : [O]

Divisions based on the train of **Natural group of plants** *or* **N** *Characteristic*

1	**Cryptogamia**
2	**Thallophyta**
21	Protophyta (Bacteria, yeast, microbes)
22	**Algae, sea-weeds**
221	Cyanophyceæ, blue-green algæ
223	Chlorophyceæ, green algæ
225	Phæophyceæ brown algæ
227	Rhodophyceæ, red algæ
23	**Fungi**
231	Myxomycetes, slime fungi, mycetozoa
233	Phycomycetes, mould
235	Ascomycetes, green mould
237	Basidiomycetes, mushrooms, rust
2371	Smuts
2372	Rusts
2375	Mushrooms
2376	Phalloides
27	**Lichenes**
3	**Bryophyta**
31	Hepaticæ, liverworts
311	Marchantiales
313	Jungermanniales
315	Anthocerotales
32	Musci, mosses
321	Sphagnales
323	Andreaeales
325	Bryales
4	**Pteridophyta**
41	Ophioglessaceæ
42	Filicinæ, ferns
43	Equisetinæ, horse-tails
44	Lycopodinæ, club-moss
45	Psilotaceæ
5	**Phanerogamia, flowering plants**
6	**Gymnosperms**
61	Cycadaceæ, cycad family
63	Ginkgoaceæ
65	Coniferæ, pine family

67 Gnetaceæ, joint fir family

7 Monocotyledons

71 Microspermae
711 Hydrocharitaceæ
712 Burmanniaceæ
715 Orchidaceæ

72 Epigynae
721 Scitamineæ
722 Bromeliaceæ
723 Hæmodoraceæ
724 Iridaceæ
725 Amaryllidaceæ
726 Taccaceæ
728 Dioscoreaceæ

73 Coronarieae
731 Roxburghiaceæ
732 Liliaceæ
733 Pontederiaceæ
734 Philydraceæ
735 Xyrideæ
736 Commelinaceæ
737 Mayaceæ
738 Rapataceæ

74 Calycinae
741 Flagellarieæ
743 Juncaceæ

75 Palmae

76 Nudiflorae
761 Pandanaceæ
762 Cyclanthaceæ
763 Typhaceæ
764 Aroideæ
768 Lemnaceæ

77 Apocarpeae
771 Triuridaceæ
772 Alismaceæ
774 Naiadaceæ

78 Glumaceae
781 Eriocaulonaceæ
782 Centrolepideæ
783 Restiaceæ
785 Cyperaceæ
786 Gramineæ

8 Dicotyledons

811 Ranalel
8111 Ranunculaceæ
8112 Dilleniaceæ
8113 Calycanthaceæ
8114 Magnoliaceæ
8115 Anonaceæ
8116 Menispermaceæ
8117 Berberidaceæ
8s18 Nymphaeaceæ

812 Parietales
8121 Sarraceniaceæ
8122 Papaveraceæ
8123 Fumariaceæ
8124 Crucifeæ
8125 Capparidaceæ
8126 Cistaceæ
8127 Resedaceæ
8128 Violaceæ
81291 Canellaceæ
81292 Bixineæ

813 Polygalineae
8131 Pittosporeæ
8134 Tremandreæ
8132 Polygalaceæ
8136 Vochysiaceæ

814 Caryophyllinae
8141 Caryophyllaceæ
8143 Frankeniaceæ
8145 Tamariscineæ
8147 Portulaceæ

815 Guttiferales
8151 Elatineæ
8153 Hypericineæ
8154 Guttiferæ (clusiaceæ)
8156 Ternstroemiaceæ
8157 Dipterocarpæceæ
8158 Chalænaceæ

816 Malvales
8161 Malvaceæ

8162 Sterculiaceæ
8163 Tiliaceæ

821 Geraniales
8211 Lineæ
8212 Humiriaceæ
8213 Malpighiaceæ
8214 Zygophylleæ
8215 Geraniaceæ
8216 Rutaceæ
8217 Simarubeæ
8218 Ochnaceæ
82191 Burseraceæ
82192 Meliaceæ
82193 Chailletiaceæ

822 Olacales
8221 Olacineæ
8222 Ilicineæ
8223 Cyrilleæ
8225 Phytocreneæ
8227 Aquifoliaceæ, ilicaceæ

823 Celastrales
8231 Celastrineæ
8233 Hippocastanaceæ
8234 Stackhousiaceæ
8236 Rhamnaceæ
8238 Ampelideæ, vitaceæ

824 Sapindales
8241 Sapindaceæ
8243 Aceraceæ
8244 Staphyleæ
8245 Sabiaceæ
8246 Anacardiaceæ

831 Rosales
8311 Rosaceæ
8312 Connaraceæ
8313 Leguminosæ
8314 Saxifragaceæ
8315 Crassulaceæ
8316 Droseraceæ
8317 Hamamelidaceæ
8318 Bruniaceæ
83191 Halorageæ

832 Myrtales
8321 Myrtaceæ
8323 Rhizophoraceæ
8324 Combretaceæ
8325 Melastomaceæ
8326 Lythrarieæ
8328 Onagrarieæ

833 Passiflorales
8331 Passifloreæ
8332 Samydaceæ
8333 Loaseæ
8334 Turneraceæ
8335 Datisceæ
8336 Cucurbitaceæ
8337 Begnoniaceæ

834 Ficoidales
8341 Cactaceæ
8344 Mesembryanthaceæ, ficoideæ

835 Umbellales
8351 Umbelliferæ
8355 Araliaceæ
8357 Cornaceæ

841 Rubiales
8411 Caprifoliaceæ
8412 Rubiaceæ

842 Asterales
8421 Valerianaceæ
8422 Dipsaceæ
8423 Calycereæ
8424 Compositæ

843 Campanales
8431 Stylideæ
8432 Goodenovieæ
8433 Campanulaceæ

844 Ericales
8441 Vacciniaceæ
8442 Ericaceæ
8443 Monotropeæ
8445 Epacrideæ
8446 Diapensiaceæ
8448 Lennoaceæ

845 Primulales
8451 Plumbagineæ

8452 Primulaceæ
8453 Myrsineæ

846 Ebenales
8461 Sapotaceæ
8462 Ebenaceæ
8463 Styraceæ

851 Gentianales
8511 Oleaceæ
8512 Salvadoraceæ
8513 Apocynaceæ
8514 Asclepiadaceæ
8515 Loganiaceæ
8516 Gentianaceæ

852 Polemoniales
8521 Polemoniaceæ
8522 Hydrophyllaceæ
8523 Borragineæ
8524 Convolvulaceæ
8526 Solanaceæ

853 Personales
8531 Scrophularineæ
8532 Orobanchacea
8533 Lentibularieæ
8534 Columelliaceæ
8535 Gesneraceæ
8536 Bignoniaceæ
8537 Pedalineæ
8538 Acanthaceæ

861 Lamiales
8611 Myoporineæ
8612 Selagineæ
8613 Verbenaceæ
8614 Labiatæ

871 Plantagineae

88 Monochlamydeae

881 Curvembryeae
8811 Nyctagineæ
8812 Illecebraceæ
8813 Amarantaceæ
8814 Chenopodiaceæ
8815 Phytolaccaceæ
8816 Batideæ
8817 Polygonaceæ
8821 Podostemaceæ

883 Multiovulatae terrestres
8831 Nepenthaceæ
8832 Cytinaceæ
8833 Aristolochiaceæ

884 Micrembryeae
8841 Piperaceæ
8842 Chloranthaceæ
8843 Myristiceæ
8844 Monimiaceæ

885 Daphnales
8851 Laurineæ
8852 Proteaccæ
8853 Thymeleaceæ
8854 Penæaceæ
8855 Elæagnaceæ

886 Achlamydosporeae
8861 Loranthaceæ
8862 Santalaceæ
8863 Balanophoreæ

887 Unisexuales
8871 Euphorbiaceæ
8872 Balanopseæ
8873 Urticaceæ
8874 Platanaceæ
8875 Leitnerieæ
8876 Juglandeæ
8877 Myricaceæ
8878 Casuarineæ
8891 Cupuliferæ

89 Ordines anomali
891 Salicineæ
892 Lacistemaceæ
893 Empetræeæ
894 Ceratophylleæ

Divisions based on the train of
Problem *or* P
Characteristic
as in G Biology
with the following
additions

59 Other habits

592 Creepers
593 Climbers

8 Paleobotany

Divisions based on the train of **Organ** *or* **O** *Characteristic*

1 Basic and regional
11 Cells
12 Tissues
13 Root
131 Root hairs
132 Secondary roots
133 Primary root
14 Stem
142 Cotyledonous buds
147 Apical buds
15 Leaf
16 Flower
17 Fruit
178 Seeds
197 Formative regions. Meristem

(For the functional system of organs, the divisions '2' to '8' of 'L Medicine' corresponding to the 'Organ' or 'O' Characteristic are to be used as far as applicable.)

J AGRICULTURE

J [U] [P] [C] : [F]

Divisions based on the **Utility** *or* **U** *Characteristic*

1	Ornamental materials and basic materials for ornamental and industrial uses
2	Food of animals
3	Food of mankind
4	Poisons, intoxicants
5	Fuel
6	Spices, condiments, drugs
7	Textile fibres, etc.
8	Dying and tanning materials
9	Oils, perfumes

Divisions based on the **Part** *or* **P** *Characteristic*

1	Secretions
2	Bulbs
3	Roots
4	Stem
5	Leaves
6	Flowers
7	Fruits
8	Seeds

Crops

Fixed by the Favoured Category Device and Alphabetic Device applied after division by U and P Characteristics (Illustrative)

141	Bamboo
142	Cane
15C1	Cactus
163	Chryosanthimum
16C8	Cyclaman
16P5	Phlox
16S8	Sunflower
245	Maize
248	Alfalfa
251	Grass
258	Sesbania Agustiflora
281	Cotton seeds
282	Horsegram
321	Potato
322	Sweet potato
323	Corms
324	Yam
325	Indian kales
326	Onion
327	Garlic

331	Beet root
332	Turnips
333	Carrots
834	Radish
33T1	Tapioca
341	Sugarcane
344	Rubarb
351	Greens
352	Spinach
353	Cabbage
354	Lettuce
355	Celery
358	Betel
361	Cauli flower
371	Apple
372	Orange
373	Melons
374	Banana
375	Pineapple
376	Grape
377	Mango
378	Tomato
37B2	Beans
37C1	Cucumbers
37F1	Fig
37G1	Guava
37J1	Jack fruit
37P5	Plums, prunes
37R1	Rashberry
37S1	Strawberry
37T1	Tamarind
37Z	Nuts
37Z1	Cashew nut
37Z8	Brazil nuts
381	Rice
382	Wheat
383	Oats
384	Rye
385	Maize
386	Barley
387	Millet
388	Grams
38P1	Peas
411	Toddy
433	Derris (Tuba roots)
451	Tea
452	Tobacco
481	Coffee
482	Cocoa
483	Poppy
541	Casuarina
611	Asafœtida
621	Ginger
622	Lesser galangal
631	Asparagus
641	Cinchona
651	Curry leaf
661	Cloves
671	Chillies
672	Cardamom
673	Coriander
681	Pepper
682	Mustard
685	Nutmeg
718	Rubber trees
741	Jute
742	Hemp
743	Flax
744	Rushes
751	Esparto grass
753	Agave
771	Cotton
841	Indigo
842	Indian mulberry
843	Mangrove
844	Gautier
845	Wattle (Mimosa)
846	Divi-divi

847 Sumach
911 Frankincense
921 Turmeric
931 Cuscus
961 Rose
971 Oil palm
981 Groundnut
982 Cocoanut
983 Sesame
984 Castor plant
985 Rapeseed
986 Linseed
987 Mowra seed
988 Soyabeen

Divisions based on the train of **Farming** *or* **F** *Characteristic*

1 Soil
2 Manure
3 Propagation method
4 Control of diseases and injuries
5 Crop development
7 Harvesting
91 Nomenclature, classification, etc.

To be subdivided as the **Problem Division 1** *of* **G Biology**

1 SOIL

J [U] [P] [C] : 1 [N] : [O]

Divisions based on the train of **Nature** *or* **N** *Characteristic*

1 Mineral
11 Clayey
12 Loamy
13 Sandy
2 Alkaline
3 Acidic
4 Saline
5 Organic
51 Peat

Divisions based on the train of **Operation** *or* **O** *Characteristic*

1 Reclamation and protection
2 Levelling
3 Bunding
4 Ploughing
5 Harrowing, hoeing
6 Clot-crushing

2 MANURE

J [U] [P] [C] : 2 [S] : [O]

Divisions based on the train of **Substance** *or* **S** *Characteristic*

1 Refuses
11 Sweepings
12 Farmyard manure
13 Dung and urine
131 Cattle
132 Horse
133 Other animals
134 Birds, guano
14 Human refuses
2 Green manures
21 Indigo
22 Kolinji
23 Dhaincha
24 Sunhemp
25 Cowpea
3 Bye products
31 Oilcakes

311	Groundnut
314	Castor
318	Neem
32	Fish guano
34	Bone meal
35	Horn and hoof meal
38	Tannery refuse
4	Chemical manures
41	Potassic
45	Nitrogenous
46	Phosphetic
8	Less common elements

Divisions based on the train of
Operation *or* **O**
Characteristic

1	Nomenclature, classification, etc.
2	Gathering, etc.
25	Compositing
28	Storing
3	Applying
31	Spreading, harrowing
37	Plant manuring

3 PROPAGATION METHOD

J [U] [P] [C]: 3 [S]: [O]

Divisions based on the train of
Substance *or* **S**
Characteristic

1	Seed
2	Seedling
3	Cuttings
4	Layering
5	Grafting

Divisions based on the train of
Operation *or* **O**
Characteristic

1	Nomenclature, etc.
2	Gathering, etc.
21	Enarching
22	Drying
23	Sorting
24	Control of diseases
25	Cleaning
26	Curing
28	Storing
3	Sowing
4	Planting

4 CONTROL OF DISEASES AND INJURIES

J [U] [P] [C]: 4 [D]: [O]

Divisions based on the train of
Disease *or* **D**
Characteristic

41	Fire
43	Floods
44	Heat, draught
48	Storm

Other divisions by Subject Device (illustrative)

I23	Fungus diseases
K86	Entomological
K96	Injuries due to birds
K97	Injuries due to mammals

Divisions based on the train of
Operation *or* **O**
Characteristic

2	Etiology
3	Symptoms and diagnosis
4	Pathology
5	Preventive steps
6	Rescue work
62	Physical methods

623 By ultrasonics
625 By radiation
6252 Ultra-violet
6253 X-ray
626 Electrical
63 Chemical
68 Entomological

5 CROP DEVELOPMENT

51 Hoeing
52 Water supply and drainage
53 Air supply
54 Temperature regulation
55 Light regulation
56 Seasonal measures

(Divide by season) as in **G Biology**

57 Weeding
58 Protection from wind
59 Special processes
591 Pruning
592 Mixed cropping
593 Crop rotation
596 Special methods of pollination

7 Harvesting

J [U] [P] [C] : 7 [M] : [O]

Divisions based on the train of **Material** *or* **M** *Characteristic*
Same as the **Part Divisions** *(See also rule J471)*
Divisions based on the train of **Operation** *or* **O** *Characteristic*

1 Nomenclature, classification, etc.

To be subdivided as in **G Biology**

2 Recovery
21 Gathering
22 Drying
25 Clearing
26 Curing

3 Grading, sorting
4 Control of diseases
7 Yield
8 Storing
84 Cold storage
913 Weight, Density
9151 Linear dimensions
9152 Area
9153 Volume
92 Physical properties
93 Chemical properties
96 Cost
97 Uses

JA Forestry

Divisions based on the train of **Tree** *or* **T** *Characteristic By the Alphabetic Device (Illustrative)*

JAE1 Eucalyptus
JAP1 Pine
JAT1 Teak
JAT2 Tilia
JAS1 Spruce

Class Number by the Classic Device (Illustrative)

J1*x*G40 *Upavanavinōda*

K ZOOLOGY

K [N]: [P]

K [N]: 1—: [G]

K [N]: 5—: [G]: [O]

Divisions based on the train of Natural group of animals *or* N *Characteristic*

1 Invertebrata
2 Protozoa
21 Sarcodina
211 Rhizopoda
212 Foraminifera
213 Heliozoa
214 Radiolaria
215 Proteomyxa
216 Mycetozoa
23 Sporozoa
231 Telosporidia
235 Neosporidia
25 Flagellata
27 Infusoria
271 Ciliata
275 Suctoria (tentaculifera)
3 Porifera
31 Calcarea
32 Myxospongiæ
33 Hexactinellida
34 Octactinellida
35 Heteractinellida
36 Demospongiæ
4 Coelenterata
41 Hydrozoa
411 Eleutheroblastea
412 Milleporina
413 Gymnoblastea (Anthomedusæ)
414 Calyptoblastea (Leptomedusæ
415 Stylasterina
416 Trachomedusæ
417 Narcomedusæ
418 Siphonophora
419 Graptolitoidea
43 Scyphozoa, scyphomedusae
431 Cubomedusæ
433 Stauromedusæ
435 Coronata
437 Discophora
45 Anthozoa, actinozoa
451 Alcyonaria
452 Stolonifera
453 Coenothecalia
454 Alcyonacea
455 Gorgonacea
4551 Pseudaxonia
4553 Axifera
456 Pennatulacea
4561 Pennatuleæ
4562 Spicatæ
4563 Verticilladeæ
4564 Renilleæ
4565 Veretilleæ
457 Zoantharia
4571 Edwardsiidea
4572 Actiniaria

45721 Actiniina
45722 Stichodactylina
4573 Madreporaria
45731 Entocnemaria
45732 Cyclocnemaria
4574 Zoanthidea
4575 Antipathidea, antipatharia
4576 Cerianthidea

6 Vermes

61 Platyhelminthes
611 Turbellaria
6111 Polycladida
6112 Tricladida
6113 Rhabdocœlida
613 Trematoda
6131 Monogenea
6132 Digenea, malacocotylea
615 Cestoda
617 Mesozoa

62 Nemertinea
621 Protonemertini
623 Mesonemertini
625 Metanemertini
627 Heteronemertini

63 Nemathelminthes
631 Nematoda
633 Nematomorpha
635 Acanthocephala
637 Chætognatha

64 Rotifera
641 Flosculariaceæ
642 Melicertaceæ
643 Bdelloida
644 Asplanchnaceæ
645 Scirtopoda
646 Ploima
6461 Illoricata
6462 Loricata
647 Seisonaceæ
648 Gastrotricha
6481 Euichthydina
6482 Apodina
649 Kinorhyncha

65 Chaetopoda, annelida
651 Archiannelida
652 Polychæta, myzostomaria
6521 Phanerocephala
65211 Nereidiformia
65212 Spioniformia
6523 Terebelliformia
6524 Capitelliformia

48 Ctenophora
481 Tentaculata
482 Cydippidea
483 Lobata
484 Cestoidea
485 Platyctenea
487 Nuda

5 Echinodermata

51 Eleutherozoa

52 Asteroidea
521 Spinulosa
522 Velata
523 Paxillosa
524 Valvata
525 Forcipulata

53 Ophiuroidea
531 Streptophiuræ
532 Zygophiuræ
533 Cladophiuræ

54 Echinoidea
541 Endocyclica
542 Clypeastroidea
5421 Protoclypeastroidea
5422 Euclypeastroidea
543 Spatangoidea

55 Holothuroidea
551 Aspidochirota
552 Elasipoda
553 Pelagothuriida
554 Dendrochirota
555 Molpadiida
556 Synaptida

56 Pelmatozoa

57 Crinoidea
572 Inadunata
573 Articulata

576 Camerata

58 Extinct classes

581 Thecoidea (Edrioasteroidea)

582 Carpoidea

583 Cystoidea

584 Blastoidea

6525 Scoleciformia

6526 Cryptocephala

65261 Sabelliformia

65262 Hermelliformia

6527 Myzostomaria

653 Oligochæta

6531 Microdrili

6532 Megadrili

654 Hirudinea

6541 Rhynchobdellæ

6544 Gnathobdellæ

655 Gephyrea

6551 Sipunculoidea

6553 Priapuloidea

6555 Echiuroidea

6557 Epithetosomatoidæ

66 Phoronis

67 Polyzoa

671 Entoprocta

672 Ectoprocta

6721 Gymnolæmata

6725 Phylactolæmata

7 Mollusca

71 Pelecypoda

711 Protobranchiata

712 Filibranchiata

713 Pseudolamellibranchiata

7131 Anomiacea

7135 Arcacea

7137 Mytilacea

714 Eulamellibranchiata

7141 Submytilacea

7142 Tellinacea

7143 Veneracea

7144 Cardiacea

7145 Myacea

7146 Pholadacea

7147 Anatinacea

715 Septibranchiata

73 Scaphopoda

75 Gasteropoda

751 Amphineura

7511 Polyplacophora

7513 Aplocophora

753 Prosobranchiata

7531 Diotocardia

7532 Monotocardia

755 Opisthobranchiata

7551 Tectibranchiata

7555 Ascoglossa

756 Nudibranchiata

7561 Pteropoda

757 Pulmonata

7571 Basommatophora

7575 Stylommatophora

77 Cephalopoda

771 Dibranchiata

7711 Octopoda

7712 Decapoda

775 Tetrabranchiata

7751 Nautiloidea

7753 Ammonoidea

78 Brachiopoda

781 Ecardines

785 Testicardines

8 Arthropoda

81 Crustacea

811 Entomostraca

812 Branchiopoda

8121 Phyllopoda

8122 Clodocera

813 Copepoda

8131 Gymnoplea

8132 Podoplea

814 Cirripedia

8141 Pedunculata

8142 Operculata

8143 Acrothoracica

8144 Ascothoracica

8145 Apoda

8146 Rhizocephala
8147 Ostracoda

815 Malacostraca
8151 Anaspidacea
8152 Mysidacea
8153 Cumacea
8154 Isopoda
81541 Chelifera
81542 Flabellifera
81543 Valvifera
81544 Asellota
81545 Oniscoida
81546 Epicarida
81547 Phreatoicidea
8155 Amphipoda
81551 Crevettina
81552 Læmodipoda
81553 Hyperina
8156 Stomatopoda
8157 Euphausiacea
8158 Decapoda
81581 Macrura
81582 Anomura
81583 Brachyura
816 Trilobites

83 Onychophora, peripatus, prototracheata
84 Myriapoda
841 Chilognatha, diplopoda
843 Chilopoda
845 Schizotarsia
846 Symphyla
847 Pauropoda
86 Insecta
861 Aptera
8611 Thysanura
8612 Collembola

862 Othoptera
8621 Orthoptera cursoria
8625 Orthoptera saltatoria

863 Neuroptera
8631 Mallophaga
8632 Pseudo-neuroptera
8633 Neuroptera amphibiotica
8634 Neuroptera planipennia
8635 Trichoptera

864 Hymenoptera
8641 Hymenoptera sessili ventres
8643 Hemenoptera petiolata
8645 Tubulifera
8647 Aculeata

865 Coleoptera
8651 Lamellicornia
8652 Adephaga, caraboidea
8653 Polymorpha
8654 Heteromera
8655 Phytophaga
8656 Rhynchophora
8657 Strepsiptera

867 Lepidoptera
8671 Rhopalocera
8675 Heterocera

871 Diptera
8711 Orthorrhapha nemocera
8712 Orthomhappa brachycera
8713 Cyclorrhapha aschiza
8714 Cyclorrhapha schizophora
8715 Pupipara

874 Aphaniptera
8741 Pulicidae

876 Thysanoptera
8761 Terebrantia

877 Hemiptera
8771 Heteroptera
8772 Homoptera
8774 Anoplura

88 Arachinida
881 Delobranchiata, merostomata
8811 Xiphosura
1813 Eurypterida, gigantostraca

882 Embolobranchiata
8821 Scorpionidea
8822 Pedipalpi
8823 Araneae

8824 Palpigradi
8825 Solifugæ, solpugæ
8826 Chernetidea, chernetes, pseudoscorpiones
8827 Podogona, ricimulei

883 **Phalangidea, opiliones**
8831 Cyphophthalmi
8832 Mecostethi, laniatores
8833 Plagiostethi, palpatores

884 **Acarina, acari, acaridea**
8841 Vermiformia
8842 Astigmata
8843 Metastigmata
8844 Heterostigmata
8845 Prostigmata
8846 Notostigmata

885 **Tardigrada**
886 **Pentastomida**
888 **Pyenogonida, podosomata, pantopoda**

9 Prochordata and vertebrata

91 **Prochordata**
911 Hemichordata
9111 Enteropneusta
91111 Pterobranchia
91113 Phoronidea
913 Urochordata, tunicata
9131 Larvacea
9133 Ascidiacea
91331 Ascidiæ simplices
91332 Ascidiæ compositæ
91333 Merosomata
913333 Holosomata
91335 Ascidiae luciae
9135 Thaliacea
91351 Crclomyaria
91353 Hemimyaria
915 Chephalochordata
917 Craniata
9171 Cyclostomata
91711 Myxinoides
91715 Petromyzontes

92 **Pisces**
922 **Elasmobranchii**
9221 *Pleuropterygii*
9222 *Ichthyotomi*
9223 *Acanthodei*
9224 Plagiostomi
92241 Selachii
92245 Batoidei

923 **Holocephali**
925 **Teleostomi**
9251 Crossopterygii
92511 *Osteolepida*
92515 Cladistia
9252 Chondrostei
9253 Holostei
9254 Teleostei
92541 Malacopterygii
92542 Ostariophysi
92543 Symbranchii
92544 Apodes
92545 Haplomi
92546 Heteromi
92547 Catosteomi
92548 Percesoces
925492 Anacanthini
925493 Acanthopterygii
925494 Opisthomi
925495 Pediculati
925496 Plectognathi

926 **Dipneusti, Dipnoi**
927 *Palaeospondylidae*
928 *Ostracodermi*
9281 *Heterostraci*
9282 *Osteostraci*
9283 *Anaspida*

93 Amphibia

931 **Stegocephali**
9311 Stegocephali lepospondyli
93111 Branchiosauri
93113 Aistopodes
9312 Stegocephali temnospondyli
9313 Stegocephali stereospondyli

932 Lissamphibia
9321 Apoda
9323 Urodela
9325 Anura
93251 Aglossa
93255 Phaneroglossa

94 Reptilia
941 Proreptilia
942 Prosauria
9421 Microsauri
9425 Prosauri
94251 Protorosauri
94255 Rhynchocephali

943 Theromorpha
9431 Pareiasauri
9433 Theriodontia
9435 Anomodontia
9437 Placodontia

944 Chelonia
9441 Atheca
9445 Thecophora
94451 Cryptodira
94453 Pleurodira
94455 Trionychoidea

945 Dinosauria
9451 Sauropoda
9453 Theropoda
9455 Orthopoda
94551 Stegosauri
94555 Ornithopoda
9457 Ceratopsia

946 Crocodilia
9461 Pseudosuchia
9463 Parasuchia
9465 Eusuchia

947 Plesiosauria
9471 Nothosauri
9475 Plesiosauri

948 Ichthyosauria
9481 Ichthyosauri
9491 Pterosauria
94911 Pterosauri
949111 Pterodactyli
949115 Pteranodontes
9492 Pythonomorpha
94921 Dolichosauri
94925 Mosasauri
9493 Sauria
94931 Lacertilia
94[illegible]313 Geckones
949315 Lacertæ
949316 Chamæleontes
94932 Ophidia

96 Aves
961 Archæornithes

962 Neornithes
9621 Neornithes ratitæ
96211 Ratitae
962111 Struthiones
962112 Rheæ
962113 Megistanes
962114 Apterges
962115 Dinornithes
962116 Aepyornithes
96212 Stereornithes
962121 Mesembriornis
962122 Diatryma
962123 Dasornis
962124 Remiornis
962125 Gastornis
9622 Neornithes odontolcæ
96221 Hesperornithes
96225 Enaliornithes
9623 Neornithes carinatæ
96231 Ichthyornithes
96232 Colymbiformes
962321 Colymbi
962325 Podicipedes
96322 Sphenisciformes
963221 Sphenisci
96323 Procellariiformes
963231 Tubinares

9633 Ciconiiformes
96331 Steganopodes
96332 Ardeæ
96333 Ciconiæ
96334 Phoenicopteri
9634 Anseriformes

96341 Palamedeæ
96345 Anseres

9635 Falconiformes
96351 Cathartæ
96353 Accipitres

9636 Tinamiformes
96361 Tinami

9637 Galliformes
96371 Mesitæ
96373 Turnices
96375 Galli
96377 Opisthocomi

9638 Charadriiformes
96381 Limicolæ
96382 Lari
96384 Alcæ
96385 Pterocles
96387 Columbae

964 Cuculiformes
9641 Cuculi
9645 Psittaci

965 Coraciiformes
9651 Coraciæ
9652 Striges
9653 Caprimulgi
9654 Cypseli
9655 Colii
9656 Trogones
9657 Pici

966 Passeriformes
9661 Passeres anisomyodæ
96611 Subclamatores
96615 Clamatores
9662 Passeres diacromyodæ
96621 Suboscines
96625 Oscines

97 Mammalia

971 Monotremata

972 Marsupialia
9721 Diprotodontia
9725 Polyprotodontia

973 Edentata
9731 Xenarthra
9735 Nomarthra

974 Sirenia

975 Cetacea
9751 Mystacoceti
9752 Odontoceti
9753 Archæoceti

976 Ganodonta

978 Ungulata
9781 Condylarthra
9782 Amblypoda
9783 Ancylopoda
9784 Typotheria
9785 Toxodontia
9786 Proboscidæ
9787 Hyracoidea
9788 Perissodactyla
97891 Litopterna
97892 Artiodactyla

9791 Carnivora
97911 Fissipedia
97912 Pinnipedia

9792 Creodonta

9793 Rodentia
97931 Simplicidentata
97935 Duplicidentata

9795 Insectivora
97951 Insectivora vera
97955 Dermoptera

9796 Chiroptera
97961 Megachiroptera
97965 Microchiroptera

9797 Primates
97971 Lemuroidea
97975 Anthropoidea

Divisions based on the train of
Problem *or* **P**
Characteristic
as in **G Biology**
with the following additions

59 Other habits
591 Relation to young ones
598 Flying animals

L[O]: [P]

Divisions based on the train of
Organ *or* **O**
Characteristic

1	**Basic and regional**
11	Cells
12	Tissues
13	**Lower extremities**
131	Toes
132	Feet
133	Ankles
134	Legs
135	Knees
136	Thighs
137	Pelvic region
14	**Abdomen**
141	Iliacs
1411	Right
1415	Left
143	Hypogastric
144	Umbilical
145	Lumbar
1451	Right
1455	Left
147	Epigastric
148	Hypochondriac
1481	Right
1485	Left
1493	Diaphragm
15	**Thorax**
151	Right
153	Front
155	Left
157	Back
16	**Upper extremities**
161	Shoulders
162	Axilla
163	Arms
164	Elbows
165	Forearms
166	Wrists
167	Hands
168	Fingers
17	**Neck**
18	**Head**
181	Face
183	**Ears**
1831	Pinna
1832	External auditory meatus
1833	Tympanic cavity
1834	Tympanic membrane
1835	Eustachian tube
1836	Tympanic ossicles
1837	Osseous labyrinth
1838	Membranous labyrinth
185	**Eyes**
1851	Coats
18511	Eyelids
18512	Cornea

18513 Sclerotic
18514 Iris
18515 Ciliary processes
18516 Choroid
18517 Retina
1852 Parts
18521 Aqueous humour
18522 Crystalline lens
18523 Vitreous humour
1856 Lachrymal glands
18562 Lachrymal sac
18565 Tears
18571 Lachrymal ducts
18572 Nasal ducts

187 Scalp
192 Joints
198 Storage regions

2 Digestive system
21 Mouth
211 Lips
212 Cavity of the mouth
2121 Floor of the mouth
2123 Cheeks
2125 Palate
21251 Uvula
21252 Soft palate
21253 Hard palate
2127 Jaws
213 Tongue

214 Teeth
21411 Gums
21412 Enamel
2142 Parts
21421 Root
21422 Neck
21423 Crown
2143 Kinds of teeth
21431 Milk teeth
21432 Canine
21433 Lateral incisor
21434 Central incisor
21435 First molar
21436 Second molar
2145 Dentine
2146 Pulp cavity
215 Fauces

216 Salivary glands
2161 Parotid glands
21617 Parotid duct
2162 Submaxillary gland
21627 Submaxillary duct
2163 Sublingual glands
2164 Mucous glands
219 Tonsils

22 Pharynx
23 Esophagus
24 Stomach
245 Gastric secretions
246 Gastric glands
2461 Cardiac glands
2463 Pyloric glands
248 Orifice and valve
2481 Cordiac orifice
2482 Pyloric orifice
24828 Pyloric valve

25 Intestines
26 Small intestines
266 Intestinal glands
2661 Brunner's glands
2662 Solitary glands
2663 Peyer's glands
268 Ileo-caecal valve

27 Large intestines
272 Parts

2721 Cæcum
27219 Vermiform Appendix
2722 Colon
2723 Rectum
2724 Anal canal
276 Solitary glands
278 Houston's valves
291 **Liver**
2915 Bile
2917 Bile ducts
292 Gall bladder
2927 Cystic duct
293 **Pancreas**
2935 Pancreatic secretion
2937 Pancreatic duct
3 **Circulatory system**
31 Pericardium
32 **Heart**
33 **Vena cava**
331 Superior vena cava
332 Inferior vena cava
34 **Aorta**
35 **Blood**
358 Haemoglobin
36 Veins
(*To be divided locally*)
37 Arteries
(*To be divided locally*)
38 Capillaries
(*To be divided locally*)
39 **Lymphatic vessels**
391 Thoracic duct
392 Right lymphatic duct
394 Other lymphatic vessels
(*To be divided locally*)
395 Lymph
396 Lymphatic glands
(*To be divided locally*)
398 Lymphatic valves
4 **Respiratory system**
41 **Nose**
411 Outer nose
412 Nasal fossæ
42 **Larynx**
43 **Trachea**
44 **Bronchi**
441 Right bronchus
4415 Right intra-pulmonary branches
445 Left bronchus
4455 Left intra-pulmonary branches
45 **Lungs**
4511 Pleura
46 Pleural sacs
48 Mediastinum
5 **Genito-urinary system**
51 **Kidneys**
513 Sinus
515 Urine
517 Ureter
52 Bladder
53 Urethra
54 **Sexual organs**
55 **Female genital organ**
551 Ovaries
5515 Eggs
552 Fallopian tubes
553 Uterus
554 Vagina
555 External organs

5551 Vulva
55511 Labium
5552 Perineum
556 Breasts

56 Male genital organ
561 Testes
5611 Scrotum
5621 Epididymis
5622 Vas deferens
5623 Ejaculatory duct
565 Seminal vesicles
5655 Spermatozoa
5661 Prostate gland
5662 Cowper's glands
567 Penis

6 Ductless glands
61 Superarenal
62 Spleen
63 Thymus
64 Para thyroid
65 Thyroid
66 Hypophysis glands
661 Anterior
662 Posterior
67 Pineal gland
68 Other glands
(*To be divided locally*)

7 Nervous system
71 Brain
711 Meninges
7111 Dura mater
7112 Arachnoid mater
7113 Pia meter
712 Parts
7121 Cerebrum
7124 Cerebellum
7122 Pons
7123 Medulla oblongata
72 Spinal cord
721 Spinal meninges
73 Nerves (their structure, parts, etc.
74 Peripheral nerves
(*To be divided locally*)
75 Sensory nerves
(*To be divided locally*)
76 Motor nerves
(*To be divided locally*)
77 Autonomic nerves
771 Sympathetic nerves
(*To be divided locally*)
795 Cerebro-spinal fluid

8 Other systems
82 Bones
821 Periosteum
822 Bone proper
8221 Substantial
8222 Cancellous
8223 Cavities
825 Marrow

83 Muscles

86 Connective tissues
861 Connective tissues proper
8611 Lining membranes
86111 Serous
86112 Synovial
86113 Mucous
8613 Protecting membranes
8614 Basement membranes
8615 Reticular tissue
8616 Ligaments

8617 Tendons
866 Cartilages
87 **Skin**
871 Epidermis
872 Corium
875 Pigment
876 Glands of the skin
8761 Sebaceous glands
8762 Sweat glands
88 Hair, etc.
881 Hair
882 Scales
883 Nails

Divisions based on the train of Problem *or* P *Characteristic*

1 **Preliminaries**
11 Nomenclature
13 Nursing home
14 Hospitals
15 Sanatoria
17 Anæsthetization
19 Microscopy
192 Sectioning
195 Fixation
196 Mounting
198 Staining

2 **Morphology**
3 **Physiology**

To be subdivided as in 'G' Biology *with the following modifications Subdivisions when applied to* **Organ Number '55 Female Genital Organs'**

3 **Obstetrics**
31 **Pregnancy**
313 Diagnosis
3135 Multiple pregnancy
314 **Pathology of pregnancy**
3142 Vomiting
3143 Varices
31451 Albuminuria
31455 Complications due to abnormalities in the generative tract
3147 Convulsions
31471 Insanity of pregnancy
31495 Extra-uterine pregnancy
32 **Foetus**
324 Diseases of the foetus
3291 Death of foetus
331 Chorian
332 Amnion
333 Placenta
334 Umbilical cord
34 **Abortion**
341 Natural
345 Artificial
35 **Labour**
351 Presentation
3511 Vertex
3512 Face and brow
3513 Lower extremities
3515 In multiple pregnancy
352 Second stage
353 Third stage
354 **Abnormal labour**
3542 Due to foetus

3543 Due to anomalies of expelling forces
3544 Due to passage and obstacles

357 Obstetric operations
3571 Dilatation
3574 For inversion of uterus
3577 Use of forceps
3578 Embryotomy

36 Puerperal state
3641 Puerperal infection
3646 Mastitis

393 Ordinary (non-pregnant) physiology

4 Diseases
41 General
411 Atrophy
412 Hypertrophy
413 Hemorrhage
414 Fever
415 Inflammation
417 Pain
418 Spasm
419 Other general diseases

42 Infectious diseases
421 Tuberculosis
422 Syphilis
423 Due to filterable protista
424 Due to bacteria
425 Due to metaphyta
426 Due to protozoa
427 Due to metazoa

43 Parasitic diseases
435 Due to phyto parasites
437 Due to animal parasites

44 Poisons
441 Snake poison

To be further divided by the substance number as in **'E Chemistry'**

45 Functional disorder
451 Under functioning
452 Over functioning
453 Complicated functioning
4537 Allergy
456 Not functioning
4565 Not functioning due to external causes

46 Metabolistic
463 Due to deficiency

47 Structural, neoplasmic, etc.
471 Abnormalities in structure
4711 Size
4712 Shape
4713 Position
4714 Fixation
4715 Number
4716 Total absence
4718 Openings
472 Tumour
4721 Swellings due to hypertrophy

4722	Inflammatory swellings
4723	Cysts
4724	Non-malignant tumours
47241	Osteoma
47242	Chondroma
47243	Myoma
47245	Myxoma
472462	Lipoma
472463	Fibroma
47247	Papilloma
47248	Adenoma
4725	Malignant tumours
47251	Osteosarcoma
47252	Chondrosarcoma
47253	Myosarcoma
47255	Myxosarcoma
472562	Liposarcoma
472563	Fibrosarcoma
47257	Carcinoma
47258	Adenosarcoma
473	Hernia
474	Ulcer
475	Abscess
476	Gangrene
48	**Due to presence of foreign matter**
481	Solid matter
485	Fluid
488	Gas
49	**Due to other causes**
491	Fire. Burns
494	Asphyxia

Specific diseases
(*Illustrative*)

L:423	Poxes
L:4231	Small pox
L:4232	Chicken pox
L:4233	Measles
L:4631	Scurvy
L:4632	Beriberi
L12:46	Obesity
L14:485	Ascites
L191:46	Gout
L2161:423	Mumps
L24:451	Anorexia
L25:4241	Typhoid
L25:4242	Bacillary dysentery
L25:4251	Cholera
L25:4262	Amœbic dysentery
L25:4371	Tapeworm
L25:4372	Hookworm
L25:4373	Round worm
L25:4374	Thread worm
L25:451	Constipation
L25:452	Diarrhœa
L25:474	Dysentery (general)
L291:453	Jaundice
L292:481	Gallstones
L2927:481	Biliary colic
L293:46	Diabetes
L34:411	Angina pectoris
L35:411	Anæmia
L35:4111	Secondary
L35:4112	Chlorosis
L35:4113	Pernicious
L35:4114	Splenic
L35:4115	Leucemia
L35:4231	Typhus
L35:4261	Malaria

L35:4262 Sleeping sickness

L37:411 Arteriosclerosis
L37:4711 Aneurysm

L39:4371 Filarial elephantiasis
L39:481 Elephantiasis
L396:412 Hodgin's disease
L396:4241 Bubonic plague

L4:4241 Influenza
L4:4242 Whooping cough
L41:4241 Diphtheria
L44:453 Asthma

L45:424 Pneumonia
L4511:485 Empyema

L51:453 Albuminuria
L51:481 Renal colic

L61:411 Addison's disease
L62:4261 Kala-azar
L65:4711 Goitre
L65:4716 Cretinism myxœdema
L66:472 Acromegaly

L7:51 Neurasthenia
L7:52 Insomnia

L71:453 Epilepsy
L711:424 Cerebro-spinal meningitis

L72:4241 Tetanus
L73:417 Neuralgia
L76:411 Paralysis
L76:453 Chorea

L81:463 Rickets
L87:485 Edema
L875:4716 Albinism

5 Public health and hygiene

51 Vital statistics, mortality tables

52 State control

521 Habitations
To be subdivided as in **N1 Architecture**

522 Animals
To be subdivided by Animal Characteristic as in **MK Veterinary Science**

523 Foods, beverages
To be subdivided by Substance Characteristic as in **E Chemistry** *and* **F Technology**

524 Intoxicants, poisons
To be subdivided as **523**

525 Conveyances
526 Medicine
To be subdivided as **523**

54 Prevention of diseases in general
To be subdivided as **4 Diseases**

547 Prevention of accidents

55 Public hygiene
551 Ground
555 Water
556 Season
(*Divide by season*)
558 Air

57 **Personal hygiene**
571 Residence, furniture
5711 Floor, walls, etc.
5712 Water supply
5713 Ventilation
5714 Heating, cooling
5715 Light
5718 Drainage
572 Exercise and recreation

573 **Food**

To be subdivided by Substance Characteristic as in **E Chemistry** *and* **F Technology**

5731 Underfeeding
5732 Overfeeding
5736 Fasting
574 Intoxicants, stimulants
575 Bath, toilet, cleanliness
576 Regulation of habits
577 Clothing

To be subdivided by Material Characteristic as in **M7 Textiles**

578 Sleep

6 **Pharmacognosy**
61 Sources, etc.
611 Nomenclature and classification
614 Sources
63 Pharmacology
65 Pharmacopeia
66 Materia medica
68 Pharmacy

7 **Phylogeny**
To be subdivided as in **G Biology**

8 Physical fitness
To be subdivided as the common subdivision

***b*13 Physical qualification**
L [O]: 4—:[H]
Divisions based on the train of **Handling** *or* **H** *Characteristic*
For '**4 Diseases**' *and its Subdivisions*

1 **Nursing**
2 **Etiology**
3 **Symptoms and diagnosis**
31 By signs, clinical
32 By physical methods
325 By microscope
3253 By x-rays
33 By chemical methods
4 **Pathology**
402 Physical methods
403 Chemical methods
411 Examination of cells
412 Examination of tissues
424 Examination of gastric contents
427 Examination of feces
44 Examination of sputum
45 Examination of urine
4798 Post mortem examination

5	**Preventive steps**
51	Epedemiology
55	Control measures
56	Immunology
6	**Therapeutics**
61	Methods of administration
6121	By mouth
6123	By rectum
616	Injection
6161	Epidermal
6163	Intramuscular
6166	Intravenal
62	Physicotherapy
624	Thermotherapy
625	Radiotherapy
6252	Ultra-violet therapy
6253	X-ray therapy
626	Electrotherapy
627	Magnetotherapy
63	Pharmacotherapy
63129	Radiumtherapy
64	Physiological therapy
642	Regulation of diet
6426	Fast cure
6434	Blood letting
6435	Cupping
644	Respiratory remedy (*Prāṇāyāmam*)
65	Hydrotherapy
66	Serumtherapy
67	Organotherapy
68	Aerotherapy
69	Other cures
691	Psychotherapy
7	**Surgery**
75	Prosthesis
76	Amputation
77	Excision
8	**Diet regulation**
9	Other factors
91	After care
97	First aid

L: 6—: [S]

Divisions based on the train of **Substance** *or* **S** *Characteristic as in* **E Chemistry** *and* **F Technology**

L9	**Medicine as applied to special classes**		
L91	Childhood	L93	Old age
L98	Tropical medicine		

Special Schools of Medicine

LA **Ayurveda system**

Divisions by the Classic Device (Illustrative)

LA*x*1 *Carakasamhitā*
LA*x*11 Patañjali's commentary
LA*x*12 Cakrapāṇidatta *Carakatātparyadīpikā* or *Āyurveda dīpikā*
LA*x*13 Haricandra's commentary
LA*x*14 Śivadāsa *Caraka tattva pradīpikā*
LA*x*15 Gaṅgādhara *Jalpakalpataru*
LA*x*2 Vāgbhaṭa I *Aṣṭāṅgasaṅgraha*
LA*x*21 Aruṇadatta's commentary
LA*x*3 Vāgbhaṭa II *Aṣṭāṅgahṛdaya*
LA*x*31 Aruṇadatta *Sarvāṅgasundara*
LA*x*32 Hemādri or Kāmadeva *Āyurveda darśana*
LA*x*33 Āśādhara sallakṣaṇa *Aṣṭāṅgahṛdayoddyota*
LA*x*34 Candracandana *Padārthacandrikā*
LA*x*35 Dāmodara *Saṅketamañjarī*
LA*x*36 Rāmanātha Vaidya *Aṣṭāṅgahṛdayaṭīkā*
LA*x*37 *Bālaprabodhikā*
LA*x*38 *Hṛdayabodhikā*
LA*x*3M80 Harikṛṣṇa Mullick *Vāgbhaṭārthakaumudī*
LA*x*3M90 Yaśodānandan Sarkār *Pradīpa*
LA*x*4 Bhela *Bhelasamhitā*
LA*x*5 Śārṅgadhara *Śārṅgadharasamhitā*
LA*x*51 Ādhamalla *Śārṅgadharadīpikā*
LA*x*6 Bhāva Miśra *Bhāvaprakāśa*
LA*x*7 *Navanāvanītakam*
LA*x*8 Yogānandanātha *Āyurvedasūtra*
LA*x*D4 Nāgārjuna *Rājavaiśeṣikasūtra*
LA*x*M13 Parameśwara *Hṛdayapriyā*
LA:4*x*1 Mādhavakara *Mādhavanidāna*
LA:4:6*x*1 Cakrapāṇidatta *Cikitsāsārasaṃhitā*
LA:4:7*x*2 *Suśrutasamhitā*
LA:4:7*x*21 Chakrapāṇidatta *Bhānumatī*
LA:4:7*x*22 Gayādāsa *Nyāyacandrikā* or *pañjikā*
LA:4:7*x*23 Jejjaṭācārya's commentary

LA:4:7*x*24 Bhāskara's commentary
LA:4:7*x*25 Mādhava's commentary
LA:4:7*x*26 Brahmadeva's commentary
LA:4:7*x*27 Dallaṇācārya *Nibandhasaṅgraha*
LA:4:7*x*28 Ubhalta's commentary
LA:4:7*x*3 *Bhojatantram* or *Bhojasamhitā*
LA:441:6*x*1 *Kāśyapa samhitā*
LA:6*x*2 *Kāka caṇḍiśwaratantra*
LA:65*x*1 *Muktāvali*
LA:67*x*1 Cakrapāṇidatta *Cakradatta* or *Dravyaguṇasangraha*
LA:68*x*1 Vāgbhaṭa (son of Siṃha Gupta) *Rasaratnasamuccaya*
LA:68*x*2 *Rasādhyāya*

LA91*x*1 *Jīvakatantra*
LA91*x*2 *Parvatakatantra*
LA91*x*3 *Bandhakatantra*
LA91*x*4 *Hiraṇyākṣavatantra*
LA91*x*M90 Ramavarier *Ārogyakalpadruma*

LB **Siddha system**
LC **Unani system**
LL **Homeopathy**

M USEFUL ARTS

M1 **Book production and description**

M13 Paper-making
M14 Printing, etc.
M141 Type founding
M142 Composition
M143 Printing
M144 Book illustrations
M145 Ink manufacture
M148 Typewriting
M15 Book-binding
M16 Publishing
M17 Book selling
M18 Book description, bibliography
M19 Technique of book writing
M194 Editing
M1942 Manuscripts
M1944 Printed books
M195 Indexing

M2 **Journalism**

M3 **Domestic science**

M31 Cooking
M32 Serving

M4 Smithy

M5 Carpentry
M6 Glass industry

M7 **Textiles**

M7 [M] : [W]

Divisions based on the train of **Material** *or* **M** *Characteristic*

1 Cotton
2 Wool
3 Silk
4 Flax
5 Other vegetable fibres
6 Metal yarn and fabrics

Divisions based on the train of **Work** *or* **W** *Characteristic*

1 Preliminaries
11 Sorting, ginning
12 Beating, scouring
13 Carding
15 Oiling, washing
2 Spinning
3 Twisting
4 Bleaching, dyeing
7 Weaving
8 Textile printing

M8 Dress making
M92 Masonry
M95 Photography
M97 Leather industries

To be divided as the **Problem Divisions** *of* **Y1 Sociology**

Further divisions by the **Subject Device** *(Illustrative)*

MB1 Calculating machines, etc.
MB9 Horology

MC8 Gramaphones
MC5 Opticians' trade
MD12 Clay industries
MD5124 Horse-riding
MD5133 Motor-driving
MD521 Boat-rowing
MD525 Navigation
MD53 Aviation

MJ7 Ropemaking

MJ7 [M]: [W]

Divisions based on the train of **Material** *or* **M** *Characteristic*

1 Cotton
2 Coir
3 Hemp
4 Flax
5 Jute
6 Sissal
97 Other vegetable fibres
98 Metal

Divisions based on the train of **Work** *or* **W** *Characteristic Same as for* **M7 Textiles**

MK Veterinary science

MK [U] [P] [A]: [V]

Divisions based on the train of **Utility** *or* **U** *Characteristic Same as in* **J Agriculture** *with the following alterations*

2 Cattle
4 Traction
5 Fondling, game

Divisions based on the train of **Part** *or* **P** *Characteristic*

1 Secretion, extracts like oil
2 Bones
3 Muscles
4 Whole animal
5 Eggs
6 Connective tissues
7 Skin
8 Hair, nails

ANIMALS

Fixed by the Favoured Category Device and Alphabetic Device applied after division by U and P Characteristics (Illustrative)

112 Corals
122 Pearl oysters
142 Aquarium fishes

311 Cows
312 She buffaloes
313 She goats
331 Beef cattle

332 Fish
333 Goats and sheep
334 Pigs
337 Turkeys
3392 Oysters
351 Fowls
352 Ducks
441 Bulls

442 Horses
445 Mules
446 Camels
447 Elephants
4494 Reindeer

541 **Dogs**
542 Cats
546 Parrots

611 **Bees**
612 Fish yielding medicinal oils

771 **Silkworms**
783 Sheep
788 Fox
811 Lac insect

Divisions based on the train of **Veterinary** *or* **V** *Characteristic*

1 Feeding
2 Morphology
3 Physiology
4 Diseases
5 Hygiene
6 Pharmacognosy
7 Produce
8 Training
91 Nomenclature, classification

To be divided as in **G Biology**

1 Feeding

MK [U] [P] [A]: 1 [S]: [H]

Divisions based on the train of **Substance** *or* **S** *Characteristic to be got by* **Subject Device**

Divisions based on the train of **Handling** *or* **H** *Characteristic*

1 Nomenclature, classification
3 Preparation
7 Administering
8 Storing

MK [U] [P] [A]: 2 or 3 [O]

2 **Morphology** *and*
3 **Physiology**

Divisions based on the train of **Organ** *or* **O** *Characteristic Same as in* **L Medicine**

4 **Diseases**

MK [U] [P] [A]: 4 [O]: [D]: [H]

Divisions based on the train of **Organ** *or* **O** **Disease** *or* **D** *and* **Handling** *or* **H** *Characteristics Same as in* **L Medicine** *except that in the case of* **Diseases** *the* **initial 4** *is to be omitted*

5 **Hygiene**
6 **Pharmacognosy**

MK [U] [P] [A]: 5 [ ]: [ ]

MK [U] [P] [A]: 6: [S]

Subdivisions same as in **L Medicine**

7 **Produces**

MK [U] [P] [A]: 7 [M]: [O]

Divisions based on the train of **Material** *or* **M** *Characteristic (Illustrative) For the combination* **31** *of the* **Utility** *and* **Part** *numbers and its subdivisions*

1 Milk
3 Butter
4 Ghee
5 Butter milk
8 Cheese

For the combination **35** *of the* **Utility** *and* **Part** *numbers and its subdivisions*

5 Eggs
6 Yolk

Divisions based on the train of **Operation** *or* **O** *Characteristic Same as in* **J Agriculture**

MN8 Musical instrument making
MP Shorthand
MV4 Science of war
MV41 Military science
MV45 Naval science
MV48 Airfight
MX411 Traffic regulation in roads

MY Physical training, sports, games, use of leisure
MY1 Physical training
MY11 Callisthenics
MY12 Heavy exercises

MY2 Athletics
MY21 Ball games
MY211 Thrown by hand
MY2115 Basket ball
MY2116 Volley ball
MY212 Driven by foot
MY2121 Foot ball
MY2122 Rugby
MY213 Thrown with racket
MY2131 Tennis
MY2132 Badminton
MY214 Driven by bats
MY2141 Cricket
MY2142 Base ball
MY2143 Hockey
MY2144 Croquet
MY2145 Golf
MY2146 Polo
MY22 Competitive sports
MY221 Tug of war
MY222 Throwing games
MY223 Stilt walking
MY224 Jumping
MY225 Running
MY226 Cycling
MY227 Motoring
MY23 Children's games
MY24 Fighting sports
MY241 Boxing
MY242 Fencing

MY243 Archery
MY244 Shooting
MY245 Wrestling
MY25 Aquatic sports
MY251 Swimming
MY252 Boating
MY254 Skating
MY256 Water polo
MY28 Airsports
MY284 Aviation

MY3 Indoor amusements, games
MY31 Card
MY32 Chance games
MY321 Dice
MY322 Chess
MY33 Billiards
MY34 Occupational amusements
MY35 Play with dolls and toys

MY4 Jugglery
MY5 Animal racing
MY6 Hunting
MY65 Fishing
MY7 Scouting
MY8 Club life

Class number by **Classic Device**
(*Illustrative*)

M*x*E55 Bhoja *Yuktikalpataru*

△ SPIRITUAL EXPERIENCE AND MYSTICISM

△ [R]: [P]: [S]

Divisions based on the train of **Religion** *or* **R** *Characteristic*

1	**Integral,** *Pūrṇa*
2	**Hindu**
22	Haṭha
23	Jnāna
24	Karma
25	Bhakti
26	Rāja
28	Siddhars (of South India)
3	**Jaina**
4	**Buddhistic**
42	Mahāyāna (Indian)
421	Vajrayāna
426	Sahajayāna
428	Mantrayāna
44	Shingon
45	Amita
46	Zen
47	Mahāvairōcana
5	**Judaic**
6	**Christian**
63	Gnostic
7	**Islamic**
73	Sufi
8452	Mithraism
8513	Neoplatonic

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1	**Nomenclature**
18	Symbolism
3	**Technique**
34	Breath control
36	Meditation
5	Visions
6	Traditions
7	Interpretation and relation
8	**Occultism**
83	Manifestations
831	Materialisation
833	Clairaudience
834	Telepathy
835	Clairvoyance
838	Writing
84	Transformation
86	**Prophesy**
862	Physiognomy
8625	*Macca Śāstra*
8627	Palmistry
8628	Phrenology
864	Astrology
866	Precognition
8692	Omens

87 **Magic and witchcraft**
872 Sympathetic
874 Ceremonial

Divisions based on the train of **Subject** *or* **S** *Characteristic*

11 **God**
12 Angels, devils
14 Man
15 Fairies
16 **Disembodied souls**

2 **Nature**
21 Earth
216 Mountains
217 Rivers
25 Oceans
28 Sky
2B9 Heavenly bodies

(To be subdivided as in **B9 Astronomy**

5 Space
6 Time

Divisions by the Classic Device (Illustrative)

△2 **Hindu**

△2*x*4 Yōga Upaniṣads
△2*x*6:11 *Avadhūta gītā*

△22*x*3 *Gheraṇḍa saṁhitā*
△22*x*4 Svātmārāma-swāmin *Haṭha-yōgapradīpikā*

△25*x*1 Nārada *Bhakti-sūtra*
△25*x*2 Śāṇḍilya
△25*x*D60 Paṭṭinattu Pillai
△25*x*D65 Pattiragiriyār
△25*x*K00 Tāyumānavar
△25*x*M23 Rāmalingasvāmigal

△26*x*4 Rāja yōga Upaniṣads
△26*x*4:11 *Maṇḍala Brāhmaṇopaniṣad*

△28 **Siddhars of South India**

△28*x*12 Rāmadevar
△28*x*13 Kumbamuni
△28*x*14 Iḍaikkāḍar
△28*x*15 Dhanvantari
△28*x*16 Vālmīki
△28*x*17 Kamalamuni
△28*x*18 Bhoganāthar
△28*x*21 Macca Muni
△28*x*22 Koṅkanār
△28*x*23 Patañjali
△28*x*24 Nandi deva
△28*x*25 Bodhaguru
△28*x*26 Pāmbātti
△28*x*27 Ćattaimuni
△28*x*28 Sundarānanda-devar
△28*x*31 Kuḍumbai Śittar
△28*x*32 Gorakkar
△28*x*33 Ahappey Śittar
△28*x*41 Sattiyanāthar
△28*x*42 Saṭokanāthar
△28*x*43 Ādināthar
△28*x*44 Anādināthar
△28*x*45 Vahulināthar
△28*x*46 Mataṅganāthar
△28*x*47 Maccendranāthar
△28*x*48 Kaṭendranāthar

△3 Jain

△3*x*D50 Yōgīn d u dēv a *Paramātmaprakāśa*

△4 Buddhistic

△41:3*x*1 Y o gā v a cā r a *Manual*

△42:3*x*2 Dha r mē n d r a *Yōgāvatārōpadeśa*

△42:87*x*1 *Tathāgata-guhyaka* or *Guhyasamāja*

△42:87*x*2 *Pañcakrama*

△42:87*x*4 *Mañjusrī-mūlakalpa*

△42:87*x*5 *Caṇḍa-mahāroṣaṇa-tantra*

△42:87*x*6 *Śrīcakrasambhāratantra*

△42:87*x*7 Indrabhūti *Jñānasiddhi*

△42:87*x*8 *Sādhana-mālā*

△42:87*x*91 *Tisavastik*

△42:87*x*92 *Ḍākārṇava*

△47*x*1 *Mahāvairōcanasūtra*

△5 Judaic

△5:8*x*1 *Zohar*

△73 Sufi

△73*x*D40 Abu Bakral-Kalabadhi

△73*x*E58 Al-Ghazzali

△73*x*G07 Jalal-ud-din Mu h a m m a d Rumi

△73*x*I14 Nūruddin Abd-u r-R a h m a n Jami

△841 Chinese

△841*x*D77 *Secret of golden flower*

△8513 Neo-platonic

△8513*x*1 Hermes *Hermetica*

△8513*x*D20 Plotinus

△8513*x*I60 Ebreo (Leone)

N FINE ARTS

Canonical divisions

N1 Architecture
N2 Sculpture
N3 Engraving
N4 Graphic Art, Drawing, Design
N5 Painting
N6 Ceramics
N7 Dance
N8 Music
N91 Theatre
N915 Cinemas
N9153 Talkies

N1 ARCHITECTURE

N1 [G]: [C] [U]: [P]

N11 Technique
N111 Composition, proportion
N113 Plan
N114 Elevation
N115 Section
N116 Perspective
N118 Models

Divisions based on the train of **Style** *or* **S** *Characteristic (illustrative)*

N141 Chinese
N142 Japanese
N144 Indian
N144:C Buddhist
N144:E Jaina
N144:J Moghul
N1441 Dravidian
N144112:G Pallava
N14431:D Cālukyan
N145:C Persian
N145:D Selucid and Sassanian

N146 Saracenic
N1461 Arabian
N1463:C Jewish
N147:A Babylonian
N147:B Assyrian
N147:D Byzantine
N1492 Syrian

N15 European
N15:D Romanesque
N15:F Gothic
N15:J Renaissance

N151 Greek
N151:A Minoan and Mycenean, Pelasgic
N151:C Hellenic
N1513:C Corinthian
N1517:C Doric
N1519:C Ionian

N152 Italian
N152:C Etruscan
N152:D Roman
N152:E Tuscanian

N156 **British**
N1561:D Anglo-Saxon
N1561:E Norman
N1561:H Early English
N1561:J Tudor
N1563 Scottish
N1563:G First period
N1563:H Second period
N1563:I Third period
N1563:J Fourth period

N1564 **Irish**
N1564:D Celtic
N1564:G Mediaeval

N167 **Egyptian**
N174:F **Aztec**

Divisions based on the train of **Utility** *or* **U** *Characteristic*

1 **Town planning**
11 Village
13 Town
15 City
17 Metropolis

2 **Buildings**
22 Library buildings

To be divided on the basis of the 'L' Characteristic of '2 Library Science'

3 **Dwellings**
31 Rural houses
33 Urban houses
35 City houses
37 Castles, palaces
39 Other groupings
391 Detached houses
393 Attached houses
399 Workmen's cottages

4 **Hotels, etc.**
43 Restaurants
44 Hotels, hostels
45 Inns

5 **City halls**
6 **Museum buildings**
7 **General office buildings**
8 **Sepulchral monuments**
9 **Other buildings**

(*To be divided by the Subject Device*)

Divisions based on the train of **Part** *or* **P** *Characteristic For* '1 Town Planning'

1 Zones
3 Landscape
4 Roads, avenues
5 Markets
6 Public resorts
61 Places for public worship
62 Public baths
64 Promenades
65 Playgrounds
66 Parks
691 Theatres
7 Monuments
8 Cemeteries
9 Other parts

For the other Utility Divisions

3 Floor
4 Supports
41 Walls

45 **Pillars**
453 Base

455 Shaft
458 Capital
46 Arches
5 Stairways
6 Roof
62 Gables
63 Roof covering
631 Tiles

633 Ceiling
64 Flat roof

65 Domes
66 Spires
67 Towers

7 Windows
71 Compass window
72 Offertory window
73 Rose window
74 Venetian window
79 Other types
8 Doors
9 Other features

91 Cornices
92 Friezes
94 Fire places, mantles
98 Chimneys

99 Decorations
992 Decoration in relief
993 Veneering
994 Mosaic
995 Painted decoration
996 Stained glass
999 Other modes

N2 SCULPTURE

N21 Technique
N214 Design, drawing
N215 Making of casts
N218 Modelling
N219 Other aspects
N2198 Preservation

Divisions based on the train of **Material** *or* **M** *Characteristic*

1 Wood
3 Marble
4 Stone
5 Bronze
6 Other metals
7 Terracotta
8 Ivory
9 Other materials

Divisions based on the train of **Figure** *or* **F** *Characteristic*

1 Human figures
11 Equestrian statues
18 Busts
2 Nature
21 Earth
216 Mountains
217 Rivers
218 Lakes
25 Oceans
3 Landscape
4 Plants
5 Animals
6 Scenes
7 Numismatics
71 Coins
72 Medals
74 Seals
8 Sepulchres
81 Effigies
9 Other subjects

(*To be divided by the Subject Device*)

9Q Iconography

N3 ENGRAVING

Canonical Divisions

N31	Line
N32	Stipple
N33	Mezzotint
N35	Aquatint
N36	Etching
N38	Lithography

N5 PAINTING

N51	Technique
N511	Composition
N512	Colour
N513	Water-colour painting
N514	Oil-painting
N515	Gouache
N516	Distemper
N517	Encaustic
N519	Other topics
N5198	Preservation

Divisions based on the train of **Material of surface** *or* **M** *Characteristic*

1	Wood
2	Paper
3	Fresco
4	Stone
5	Metals
6	Glass
7	Canvas
8	Ivory
9	Other surfaces

Divisions based on the train of **Figure** *or* **F** *Characteristic*
(Same as for 'N2 Sculpture')

N8 MUSIC

Divisions based on the train of **Instrument** *or* **I** *Characteristic*

1	General
2	Wind instruments
21	Pipe
22	Flute
23	Organ
24	Clarionet
25	Obœ
26	Bassoon
27	Bagpipe
28	Trumpet
29	Others
291	Harmonium
3	Stringed instruments
31	*Vīṇā*
32	Violin
34	Piano
35	Harp
36	Lute
39	Others
4	Percussion instruments
41	Drum
42	Kettle-drum
48	Cymbals
49	Others
91	Vocal

Divisions based on the train of **Music** *or* **M** *Characteristic*

1	Words, libretto
18	Notation
2	Forms
6	Keeping time, *tālam*
91	Dramatic music
92	Orchestral music

Class Numbers by the Classic Device (Illustrative)

N144*x*1	*Mānasāra*
N744*x*1	Nandikeśwara *Abhinayadarpaṇa*
N844*x*1	Śārṅgadeva *Saṅgītaratnākara*
N844*x*2	Dattilamuni *Dattila*
N844*x*3	Mataṅgamuni *Bṛhaddeśi*
N844*x*4	Pārśvadeva *Sangītasamayasāra*
N844*x*5	Nārada *Sangītamakaranda*
N844*x*J20	Rāmāmātya *Svaramelakalānidhi*
N844*x*K12	Ahobala *Sangītapārijāta*
N8441: K*x*6	Venkaṭamakhin *Caturdaṇḍiprakāśikā*
N8441: K*x*K09	Somanātha *Rāgāvibodha*

O LITERATURE

O [L]: [F] [A]: [W]

Divisions based on the **Form** *or* **F** *Characteristic*

1 Poetry
2 Drama
3 Fiction, including short stories
4 Letters, literature written in the form of letters
5 Orations
6 Other forms of prose
7 Campu

Class Numbers by Special devices (illustrative)

Shakespeare Controversy

O:2J64:90*w*1 Bacon—Shakespeare
O:2J64:90*w*2 Rutland—Shakespeare
O:2J64:90*w*3 Derby—Shakespeare
O:2J64:90*w*4 Oxford—Shakespeare

Greek literary criticism

O13:1:9*x*1 Aristotle *Poetics*

Ancient Sanskrit poetry

O15:1A1 Rāmāyaṇa
O15:1A2 Mahābhārata

Sanskrit literary criticism. Alamkara

O15:2:9*x*D98 Dhanañjaya *Daśarūpaka*
O15:2:9*x*D981 Dhanika *Avaloka*
O15:2:9*x*G43 Sāgaranandin *Nāṭakalakṣaṇa ratnakōśa*
O15:9x1 **Bharata** *Nāṭya-śāstra*
O15:9*x*13 Abhinavagupta *Abhinavabhāratī* or *Nāṭyaveda-vivṛti*
O15:9x2 **Bhamaha** *Bhāmahālaṃkāra* or *Kāvyālaṃkāra*
O15:9*x*3 **Dandin** *Kāvyādarśa*
O15:9*x*31 Taruṇāvācaspati *Kāvyādarśaṭīkā*

O15 :9*x*32 *Hṛdayaṅgama*
O15 :9*x*33 Vādijaṅghāla *Śrutānupālinī*
O15 :9*x*34 Harinātha Mahopādhyāya *Mārjana*
O15 :9*x*38 Jivānandavidyāsāgara Bhaṭṭācārya *Kāvyādarśa-ṭīkā*

O15 :9x4 **Udbhata** *Kāvyālaṃkāra-sārasaṃgraha*
O15 :9*x*41 Pratīhārendurāja *Laghuvṛtti*
O15 :9*x*43 Rājānaka Tilaka *Vivṛti*

O15 :9x5 **Vamana** *Kāvyālaṃkārasūtravṛtti*
O15 :9*x*52 Gopendra Tippa Bhūpāla *Kāmadhenu*

O15 :9x6 **Rudrata** *Rudraṭālaṃkāra*
O15 :9*x*62 Nami Sādhu *Rudraṭālaṃkāraṭippaṇa*
O15 :9*x*65 Āśādhara's commentary

O15 :9x7 **Anandavardhana** *Dhvanyāloka*
O15 :9*x*73 Abhinavagupta *Kāvyāloka-locana*
O15 :9*x*731 Parameśvarācārya *Locana-vyākhyā-kaumudī*
O15 :9*x*732 S. Kuppuswāmi Śāstri *Upalocana*

O15 :9x8 **Mammata** *Kāvyaprakāśa*
O15 :9*x*81 Ruyyaka *Saṃketa*
O15 :9*x*82 Māṇikyacandra *Saṃketa*
O15 :9*x*83 Bhaṭṭagopāla *Sāhityacūḍāmaṇi*
O15 :9*x*84 Ratneśvara's commentary
O15 :9*x*85 Viśvanātha *Darpaṇa*
O15 :9*x*86 Vidyācakravartin *Bṛhaṭṭīkā* or *Sampradāya prakāśinī*
O15 :9*x*87 Govinda Ṭhakkūra *Pradīpa*
O15 :9*x*871 Vaidyanātha *Pradīpaprabhā*
O15 :9*x*872 Nāgogi Bhaṭṭa *Pradīpoddyota*
O15 :9*x*88 Vāmanācārya's commentary
O15 :9*x*D85 Rudrabhaṭṭa *Śṛṅgāratilaka*
O15 :9*x*D90 Ajitasenācārya *Alaṃkāracintāmaṇi*

O15 :9xD91 **Rajasekhara** *Kāvyamīmāṃsā*
O15 :9*x*D92 Mukula Bhaṭṭa *Abhidhāvṛttimātṛkā*

O15 :9xE25 **Ksemendra** *Aucityavicāracarcā*
O15 :9*x*E50 Kuntala *Vakroktijīvita*

O15 :9xE51 **Mahimabhatta** *Vyaktiviveka*
O15 :9*x*E511 *Vyaktiviveka vyākhyā*

O15:9xE55:1 **Bhoja** *Sarasvatīkaṇṭhābharaṇa*
O15:9*x*E55:2 Bhoja *Śṛṇgāraprākāśa*
O15:9*x*E551 Ratneśvara *Ratnadarpaṇa*
O15:9*x*E552 Jagaddhara *Tīkā*
O15:9*x*E60:1 Mammaṭa *Śabdavyāpāra vicāra*

O15:9xE89 **Hemacandra** *Kāvyānuśāsana*
O15:9xF20:1 **Ruyyaka** *Alaṃkārasarvasva*
O15:9*x*F20:11 Jayaratha *Alaṃkārasarvasva-vimarśinī*
O15:9*x*F20:12 Samudrabandha *Alaṃkārasarvasva-vyākhyā*
O15:9*x*F20:13 Vidyācakravartin *Sañjīvinī*
O15:9*x*F20:14 Mankhuka *Alaṃkāra sūtravṛtti*
O15:9*x*F20:2 Ruyyaka *Sāhityamīmāmsā*

O15:9xF25 **Vagbhata I** *Vāgbhaṭālaṃkāra*
O15:9*x*F252 Simhadevagaṇi's commentary
O15:9*x*F90 Śāradātanaya *Bhāvaprakāśa*
O15:9*x*G42 Arisimha *Kavitārahasya* or *Kāvyakalpalatā*
O15:9*x*G421 Amaracandra *Kaviśikṣāvṛtti*

O15:9xG90 **Vagbhata II** *Kāvyānuśāsana*
O15:9*x*G901 Vāgbhaṭa *Alaṃkāratilaka*
O15:9*x*H00 Deveśvara *Kavikalpalatā*
O15:9*x*H001 Vecārāma Sārvabhauma's commentary
O15:9*x*H002 Rāmagopāla Kaviratna's commentary

O15:9xH10 **Jayadeva** *Candrāloka* or *Pīyūṣavarṣa*
O15:9*x*H101 Pradyotana Bhaṭṭa *Candrālokaprakāśa Saradāgama*
O15:9*x*H102 Viśveśvara or Gāgābhaṭṭa *Rākāgama* or *Sudhā*
O15:9*x*H103 Vaidyanātha Pāyaguṇḍa *Ramā*
O15:9*x*H104 Virūpākṣa *Śāradaśarvarī*

O15:9xH15 **Vidyadhara** *Ekāvalī*
O15:9*x*H151 Mallinātha *Taralā*

O15:9xH16 **Vidyanatha** *Pratāparudra-yaśobhūṣaṇa*
O15:9*x*H161 Kumārasvāmin *Ratnāpaṇa*
O15:9*x*H30 Śiṅgabhūpāla *Rasārṇava-sudhākara*

O15:9xH35 **Visvanatha** *Sāhityadarpaṇa*
O15:9*x*H352 Rāmacaraṇa Tarkavāgīśa *Vivṛti*
O15:9*x*H554 Gopīnātha *Prabhā*

O15:9xH50:1 **Bhanudatta** *Rasataraṅgiṇī*
O15:9*x*H50:11 Ghṅgārāma Jaḍi *Naukā*
O15:9*x*H50:2 **Bhanudatta** *Rasamanjarī*
O15:9*x*H50:21 Ananda Paṇḍita *Vyaṅgyārtha kaumudī*
O15:9*x*H50:22 Nāgeśa Bhaṭṭa *Prakāśa*
O15:9*x*H50:23 Śeṣacintāmaṇi *Parīmala*
O15:9*x*H50:24 Gopālācārya *Vikāsa*
O15:9*x*H50:25 Dravida Gopāla Bhaṭṭa *Rasikarañjañī*
O15:9*x*H50:27 *Āmoda*
O15:9*x*H50:2M80 Badarinātha Śarma *Surabhi*

O15:9xJ24 **Kavikarnapura** *Alaṃkārakaustubha*
O15:9*x*J241 Viśvanāthacakravartin *Alaṃkāra-kaustubha sārabodhinī*
O15:9*x*J242 *Alaṃkārakaustubha-kiraṇa*
O15:9*x*J32 Rūpa Gosvāmin *Ujjvalanīlamaṇi*
O15:9*x*J321 Jīva Gosvāmin *Locana-rocanī*
O15:9*x*J322 Viśvanāthacakravartin *Ānandacandrikā* or *Ujjvalanīlamaṇi-kiraṇa*
O15:9*x*J35 Gaṅgānanda Maithila *Karṇabhūṣana*

O15:9xJ53:1 **Appayadiksita** *Kuvalayānanda*
O15:9*x*J53:11 Vaidyanātha Tatsat *Alaṃkāra candrikā*
O15:9*x*J53:12 Āśādhara *Alaṃkāradīpikā*
O15:9*x*J53:13 Gaṅgādharādhvarin or Gaṅgādharavājapeyin *Rasikaramani*
O15:9*x*J53:14 Nāgoji Bhaṭṭa *Alaṃkārasudhā*

O15:9xJ53:2 **Appayadiksita** *Citramīmāmsā*
O15:9xJ53:3 **Appayadiksita** *Vṛttivārtika*
O15:9*x*J60 Keśava Miśra *Alaṃkāraśekhara*
O15:9*x*J64 Prabhākara Bhaṭṭa *Rasapradīpa*
O15:9*x*J90 Kavicandra *Kāvyacandrikā*
O15:9*x*K36 Rājacūḍāmaṇidīkṣita *Kāvyadarpaṇa*
O15:9*x*K40 Nṛsimhakavi *Nañjarājayaśobhūṣaṇa*

O15:9xK75:1 **Jagannatha** *Rasagaṅgādhara*
O15:9*x*K75:11 Nāgeśa Bhaṭṭa *Gurumarma-prakāśikā*
O15:9*x*K75:2 Jagannātha *Citramīmāmsākhaṇḍana*
O15:9*x*L00 Viśveśvara Bhaṭṭa *Alaṃkārakaustubha*
O15:9*x*L10 Cirañjīvi Bhaṭṭācārya *Kāvyavilāsa*
O15:9*x*L20 Cirañjīvi Bhaṭṭācārya *Śṛṅgāraḍākinī*

O15:9*x*L30 Kṛṣṇa Śarman *Maṇḍāramaranda Campu*
O15:9*x*M31 Acyutarāya *Sāhityasāra*
O15:9*x*M50 Kṛṣṇa Brahmatantra Parakālaswāmin *Alaṃkāramaṇihāra*

Ancient Tamil Poems. Sanganul

O31:1A *Eṭṭuttokai*
O31:1A1 *Naṟṟinai*
O31:1A2 *Kuruntokai*
O31:1A3 *Aingurunūru*
O31:1A4 *Patiṟṟuppattu*
O31:1A5 *Paripādal*
O31:1A6 *Kalittokai*
O31:1A7 *Aganānūru*
O31:1A8 *Puranānūru*
O31:1B1 *Padineṇ kīzhkkaṇakku*
O31:1B21 *Nāladiyār*
O31:1B22 *Nānmaṇikkaṭikai*
O31:1B3 *Nānārppatu*
O31:1B31 *Innā nāṟpatu*
O31:1B32 *Iniyavai nāṟpatu*
O31:1B33 *Kār nāṟpatu*
O31:1B34 *Kalavazhināṟpatu*
O31:1B4 *Aintiṇai*
O31:1B41 *Aintiṇai aimpatu*
O31:1B42 *Aintiṇai ezhupatu*
O31:1B43 *Tiṇaimozhiyaimpatu*
O31:1B44 *Tiṇaimālai nūṟṟaimpatu*
O31:1B5 *Tirukkural*
O31:1B51 *Arattuppāl*
O31:1B52 *Poruṭpāl*
O31:1B53 *Kāmattuppāl*
O31:1B61 *Tirukaṭukam*
O31:1B62 *Acārakkovai*
O31:1B63 *Pazhamozhi*
O31:1B64 *Çirupanca mūlam*
O31:1B65 *Mutumozhikkānchi*
O31:1B66 *Elādi*

O31:1B67 *Kainilai*
O31:1B7 *Pattuppāṭṭu*
O31:1B711 *Tirumurukāṟṟuppāḍai*
O31:1B712 *Poruṇarāṟṟuppaḍai*
O31:1B721 *Ciṟupāṇaṟṟuppaḍai*
O31:1B722 *Perumpāṇaṟṟuppaḍai*
O31: B731 *Mullaippāṭṭu*
O31:1B732 *Maturaikkāñchi*
O31:1B741 *Neḍunalvāḍai*
O31:1B742 *Kuṟuñchippāṭṭu*
O31:1B751 *Paṭṭinappālai*
O31:1B752 *Malaipaṭu kaḷām*
O31:1B8 *Pancha kāvyam*
O31:1B81 *Cīvaka cintāmaṇi*
O31:1B82 *Cilappadikāram*
O31:1B83 *Maṇimekalai*
O31:1B84 *Valaiyapāṭi*
O31:1B85 *Kuṇḍalakeci*

Kanarese Poetics and Prosody

O33:1:9*x*1 *Kavirāja mārgam*
O33:1:90P*x*1 Nāgavarma *Chandombudhi*
O33:1:90P*x*2 *Nandi Chandas*

Telugu Prosody

O35:1:90P*x*1 Bhīmakavi (Vemulavāda) *Kavijanāśrayamu*
O35:1:90P*x*2 Ananta *Anantuni chandamu* or *chandodarpaṇamu*
O35:1:90P*x*3 Tātambhaṭṭa (Mannulakṣaṇakavi) *Sulakṣaṇaśāramu*
O35:1:90P*x*4 Kastūriraṅgayya *Ānandaraṅgarāṭchandamu*
O35:1:90P*x*94 Subrahmaṇya Śāstri (A) *Kāvyādarśamu*
O35:1:90P*x*J45 Ramabadra Kavi *Kavijana sanjīvinī*

P LINGUISTICS

P [L]: [S] [P]: [E]

Common subdivisions of variants

01 Dialect
04 Slang
05 Jargon

Stage Numbers (*illustrative*)

111:D Old English
111:E Middle English
111:J Modern English

—

113:D Old German
113:E Middle German
113:J Modern German

—

114:D Old Swedish
114:J Modern Swedish

—

115:D Old Norse
115:J Modern Norwegian

—

117:D Old Icelandic
117:J Modern Icelandic

—

122:A Old French
122:F Middle French
122:H Modern French

—

1295:D Old Irish
1295:E Middle Irish
1295:N Modern Irish

15:A Ancient or Vedic Sanskṛt
15:B Epic Sanskṛt
15:C Classical Sanskṛt

—

31:A Ancient Tamil
31:J Modern Tamil

—

33:A Ancient Kanarese
33:E Old Kanarese (Hala Kanarese)
33:J Modern Kanarese (Hosa Kanarese)

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 **Sound, phonetics, phonology**
12 Accent
122 Quantity. Stress accent
123 Quality, pitch, pitch accent
13 Conditional changes, combinative changes, *e.g.*, Umlaut, Verner's Law
14 Sudden changes, loss, appearance
15 Changes due to analogy

16 Unconditional changes, isolative changes, *e.g.*, Grimm's Law

18 Representation

2 Structure, morphology

21 Number
22 Gender
23 Case
24 Degrees of comparison
25 Person
26 Mood
27 Tense
28 Derivation if applied to *words*, transformation if applied to *sentences*
291 Composition if applied to *words*, synthesis if applied to *sentences*

3 Function, syntax

301 Number
302 Gender
303 Case
304 Degrees of comparison
305 Person
306 Mood
307 Tense
31 Function by accent

33 Analysis

331 Subject
332 Adjuncts to subject
335 Predicate
336 Adjuncts to predicate
38 Function by position

4 Meaning for a given element, semasiology

5 Element for a given idea

52 Adaptation of existing elements
53 Coining of elements
58 Borrowing from other languages

7 Composition

75 Figure of speech, imagery

Divisions based on the train of **Element** *or* **E** *Characteristic*

1 Isolated sound, phonemes

11 Vowel
111 Back
115 Mixed
118 Front

Common subdivisions for **11 and its subdivisions**

01 Close
03 Half close
05 Half open
07 Open
08 Nasal
13 Diphthongs
15 Consonants
151 Glotted
152 Circular

153 Velar
154 Palatal
155 Post-dental alveolar
156 Predental
157 Labiodental
158 Bilabial

Common subdivisions for **15 and its subdivisions**

01 Plosive
02 Lateral
03 Rolled
04 Fricative
05 Semi-vowel
08 Nasal

16 Voiced consonants
To be subdivided as '15'

17 Unvoiced consonants
To be subdivided as '15'

2 Syllable
203 Formative elements, prefixes, suffixes infixes
27 Specific syllables

3 Word
301 Root
302 Stem
303 Compound word
305 Loan words

31 Noun
311 Concrete
312 Proper
313 Common
314 Class
315 Collective
316 Material
317 Abstract

32 Adjective
321 Proper
322 Descriptive
323 Quantitative
324 Demonstrative
325 Distributive
33 Numeral
331 Cardinal
335 Ordinal

34 Pronoun
341 Personal
344 Demonstrative
345 Relative
346 Interrogative

35 Verb
351 Finite form
353 Infinitival form
354 Infinitive
356 Gerund
357 Participle
359 Special form
3591 Auxiliary
3594 Defective
3597 Anomalous

36 Adverb
361 Simple
365 Relative
366 Interrogative

37 Preposition
371 Simple
372 Compound
373 Participial
377 Disguised

38 Conjunction
381 Subordination
385 Co-ordination

391 **Interjection**
397 Specific words

4 **Phrases**

To be divided as '3'

5 **Clauses**

To be divided as '3'

6 **Sentences**
601 Simple
605 Compound
607 Complex

7 **Pieces of composition**

To be divided by **Form characteristic** *as in* **O Literature**

794 Anagrams

8 **Punctuation**
88 Representation

9 **Materials for practice, readers**

To be divided if necessary **by grades**

Class numbers by **Classic Device** *(illustrative)*

Vedic Sanskrt

P15:10Ax1 Śaunaka *Ṛgvedaprātiśākhyā*
P15:10A28:3x1 Yāska *Nirukta*
P15:10A28:3x12 Durgācārya *Ṛjvartha*
P15:10A28:3x14 Skandasvāmin's commentary
P15:10A28:3x15 Maheśvara's commentary
P15:10A28:3x16 Devarājayajvan's commentary
P15:10A28:4x1 *Nighaṇṭu*
P15:25Ax1 *Taittirīya-prātiśākhyā*
P15:25A1x1 Vyāsa *Vyāsaśikṣā*
P15:25A1x8 Śrīvatsāṅka *Saptalakṣaṇa*
P15:26Ax1 Kātyāyana *Vājasaneya-prātiśākhyā*
P15:30Ax1 *Sāmaveda-prātiśākhyā*
P15:30Ax2 *Puṣpasūtra*
P15:30Ax3 *Pañcavidhasūtra*
P15:40Ax1 *Atharvaveda-prātiśākhyā*

Classical Sanskrt

P15:Cx1 **Panini** *Aṣṭādhyāyi*
P15:Cx11 Kātyāyana or Vararuci *Vṛtti*
P15:Cx12 **Patanjali** *Mahābhāṣya*
P15:Cx121 Kaiyyaṭa *Mahābhāṣya-pradīpa*
P15:Cx1211 Nāgoji Bhaṭṭa or Nāgeśa Bhaṭṭa *Mahābhāṣya-pradīpoddyota*

P15:Cx1212 Iśvarānanda *Mahābhāṣya-pradīpavivaraṇa*

P15:Cx13 Jayaditya or Vamanajayaditya *Kāśikāvṛtti*

P15:Cx131 Haradatta Miśra *Padamañjarī*

P15:Cx132 Jinendra *Kāśikāvṛtti-pañcikā* or *Nyāsa*

P15:Cx14 Bhartrhari *Dīpikā*

P15:Cx15 Bhattojidiksita *Śabda-Kaustubha*

P15:Cx151 Bālambhaṭṭa or Vaidyanātha Pāyaguṇḍe *Prabhā*

P15:Cx16 Bhattojidiksita *Siddhānta Kaumudī, Laghu Kaumudī, Madhya Kaumudī*

P15:Cx161 Bhaṭṭojidikṣita *Manoramā, Prauḍha-manoramā*

P15:Cx1611 Haridīkṣita *Śabdaratna, Laghu-śabdaratna*

P15:Cx16111 Bālambhaṭṭa or Vaidyanātha Pāyaguṇḍe *Bhāva-prakāśikā*

P15:Cx1612 Kauṇḍa Bhaṭṭa *Prauḍha-manoramā khaṇḍana*

P15:Cx162 Jñānendra Sarasvati *Tattva-bodhinī*

P15:Cx163 Nāgoji Bhaṭṭa or Nāgeśa Bhaṭṭa *Śabdendu-śekhara, Laghu-śabdenduśekhara*

P15:Cx1631 Bālambhaṭṭa or Vaidyanātha Pāyaguṇḍe *Cidasthimālā*

P15:Cx164 Jayakṛṣṇa *Subodhinī*

P15:Cx165 Vāsudevadīkṣita *Bālamanoramā*

P15:Cx17 Ramacandracarya *Prakriyā kaumudī*

P15:Cx171 Viṭṭhalācārya *Prakriyākaumudī-prasāda*

P15:Cx172 Jayanta *Tattvacandra*

P15:Cx19 Paribhasas

P15:Cx191 Śiradeva *Paribhāṣāvṛtti*

P15:Cx192 Bhāskara Bhaṭṭa *Laghu-paribhāṣā-vṛtti*

P15:Cx193 *Paribhāṣārtha-saṃgraha*

P15:Cx1931 Svayamprakāsānanda *Candrikā*

P15:Cx194 Nāgoji Bhaṭṭa or Nāgeśa Bhaṭṭa *Paribhāṣendu-śekhara*

P15:Cx1941 Bālambhaṭṭa or Vaidyanātha Pāyaguṇḍe *Paribhāṣendu-śekhara-kauśika*

P15:Cx195 Nīlakaṇṭhadīkṣita *Paribhāṣā-vṛtti*

P15:Cx1E00 Dharmakīrti *Rūpāvatāra*

P15:Cx1F90 Puruṣottamadeva *Bhāṣā-vṛtti*

P15:Cx1K10 Annambhaṭṭa *Vyākaraṇamitākṣara*

P15:Cx1M40 Orambhaṭṭa *Vyākaraṇadīpikā*

P15:Cx2 **Candragomin** *Candra-vyākaraṇa*
P15:C*x*21 Candragomin *Candra-vṛtti*
P15:C*x*25 Kāśyapa *Bālāvabodha*

P15:Cx3 **Jainendra or Indra or Devanandi or Pujyapadaswami** *Jainendra-vyākaraṇa*
P15:C*x*31 Devanandi *Mahāvṛtti*
P15:C*x*32 Somadeva *Śabdārṇava Candrikā*
P15:C*x*33 Abhayanandi *Mahāvṛtti*
P15:C*x*34 Śrutakīrti *Pañcavastu*

P15:Cx4 **Sakatayana** *Sabdānuśāsana*
P15:C*x*41 Śākaṭāyana *Amoghavṛtti*
P15:C*x*42 Prabhacandrācārya *Nyāsa*
P15:C*x*43 Yakṣavarma *Cintāmaṇi*
P15:C*x*431 Ajitasenācārya *Maṇiprakāśikā*
P15:C*x*432 Maṅgarāsa *Cintāmaṇi-pratipada*
P15:C*x*433 Sāmantabhadra *Tippaṇī*
P15:C*x*435 Abhayacandrācārya *Prakriyā-saṅgraha*
P15:C*x*436 Dayapāla *Rūpasiddhi*

P15:Cx5 **Hemacandra** *Śabdānuśāsana*
P15:C*x*51 Hemacandra *Śabdānuśāsana-bṛhadvṛtti*
P15:C*x*511 *Nyāsa*
P15:C*x*512 *Ḍhuṇḍhikā* or *Bṛhadvṛtti*
P15:C*x*513 Devendrasūri *Haimalaghu-nyāsa*
P15:C*x*514 *Śabdamahārṇava-nyāsa*
P15:C*x*55 Vinayavijayagaṇi *Haimalaghu-prakriyā*
P15:C*x*551 Vimalavijayagaṇi *Haimaprakāśa*
P15:C*x*56 Meghavijaya *Haimakaumudī, Candraprabhā*
P15:C*x*57 Puṇyasundaragaṇi's commentary

P15:Cx59 **Paribhasas**
P15:C*x*591 Hemahamsavijayagaṇi's commentary
P15:C*x*5911 Hemahamsavijayagaṇi *Nyāyārthamañjūṣā*

P15:Cx6 **Sarvavarman** *Kātantra-sūtrapāṭha*
P15:C*x*61 Durgasimha *Kātantravṛtti*
P15:C*x*611 Vardhamāna *Kātantravistāra*
P15:C*x*6111 Pṛthvīdhara's commentary
P15:C*x*612 Trilocanadāsa *Kātantravṛtti-pañcikā*
P15:C*x*6121 Jinaprabhasūri *Jinaprabodha*

P15:C*x*6122 Kuśala's commentary
P15:C*x*6123 Rāmacandra's commentary
P15:C*x*613 Mahādeva *Śabdasiddhi*
P15:C*x*66 Bhaṭṭa Jagaddhara *Bālabodhinī*
P15:C*x*661 Ugrabhūti *Bālabodhinī-nyāsa*
P15:C*x*67 Chichubhaṭṭa *Laghuvṛtti*
P15:Cx7 Narendracarya *Sārasvata-sūtras*
P15:C*x*71 Anubhūtisvarupācārya *Sārasvata-prakriyā*
P15:C*x*711 Kuñjarāja's commentary
P15:C*x*712 Amṛtabhārati *Subodhikā*
P15:C*x*713 Kṣemendra's commentary
P15:C*x*714 Candrakīrti *Dīpikā*
P15:C*x*715 Mādhava's commentary
P15:C*x*716 Vāsudeva Bhaṭṭa *Sārasvataprakāśa*
P15:C*x*717 Maṇḍana's commentary
P15:C*x*718 Megharatna's commentary
P15:C*x*71J50 Dhaneśvara's commentary
P15:C*x*71J70 Jagannātha *Sārapradīpikā*
P15:C*x*71J90 Kāśinātha *Sārasvatabhāṣya*
P15:C*x*71J95 Bhaṭṭa Gopāla's commentary
P15:C*x*71K20 Sahajakīrti *Sārasvataprakriyā-vārtika*
P15:C*x*71K50 Hamsavijayagaṇi *Śabdārtha-candrikā*
P15:C*x*71K80 Rāmabhaṭṭa *Rāmabhaṭṭi* or *Vidvat-prabodhinī*
P15:C*x*72 Rāmacandrāśrama *Siddhānta-candrikā*
P15:C*x*721 Lokeśakara *Tattvadīpikā*
P15:C*x*722 Sadānandagaṇi *Subodhinī*
P15:C*x*73 Tarkatilaka Bhaṭṭācārya's commentary
P15:C*x*74 Jinendu or Jinaratna *Siddhāntaratna*
P15:C*x*75 Raghunātha *Laghubhāṣya*
P15:CxF60 Vopadeva or Bopadeva *Mugdhabodha*
P15:C*x*F605 Rāmatarkavāgiśa's commentary
P15:C*x*F609 Paribhāṣās
P15:C*x*F6091 Rāmacandra Vidyābhūṣaṇa *Paribhāṣā-vṛtti*
P15:C*x*K20 Nārāyaṇa Bhaṭṭa *Prakriyāsarvasvam*
P15:C*x*K203 *Prakāśikā*
P15:C:301x1 Panini *Dhātupāṭha*
P15:C:301*x*11 Maitreyarakṣita *Dhātupradīpa* or *Tantrapradīpa*

P15:C:301*x*12 Bhīmasena *Commentary*
P15:C:301*x*13 Kṣīrasvāmin *Dhātuvṛtti*
P15:C:301*x*14 Mādhavācārya or Sāyanācārya *Mādhavīya-dhātuvṛtti*

P15:C:301*x*F60 Bopadeva or Vopadeva *Kavikalpadruma*
P15:C:301*x*F601 Bopadeva or Vopadeva *Kāmadhenu*

P15:C:302x1 **Panini** *Gaṇapāṭha*
P15:C:302*x*12 Kṣīrasvāmin *Gaṇavṛtti*
P15:C:302*x*13 Vardhamāna *Gaṇaratnamahodadhi*

P15:C:303x1 **Panini** *Uṇādi-sūtras*
P15:C:303x5 **Hemacandra** *Uṇādi-sūtras*
P15:C:303*x*L70 Bharata Mallika *Kārakōllāsa*

P15:C2:31*x*51 Amaracandra *Syādisamuccaya*
P15:C2:35*x*51 Guṇaratnasūri *Kriyāratnasamuccaya*

P15:C22x1 **Panini** *Liṅgānuśāsana*
P15:C22*x*11 Vararuci *Liṅgaviśeṣavṛtti*
P15:C22*x*13 Vāmana *Liṅgānuśāsana*

P15:C22x2 **Candragomin** *Liṅgānuśāsana*
P15:C22x4 **Sakatayana** *Liṅgānuśāsana*
P15:C22x5 **Hemacandra** *Liṅgānuśāsana*
P15:C22*x*51 Śrīvallabha Vācanācārya *Durgapada-prabodha*
P15:C22*x*D50 Harṣavardhana *Liṅgānuśāsana*

P15:C3x4 **Bhartrhari** *Vākyapradīpa*
P15:C3x5 **Kondabhatta** *Vaiyākaraṇabhūṣaṇa*
P15:C3*x*51 Harivallabha *Bhūṣaṇasāradarpaṇa*
P15:C3*x*511 Vaidyanātha Pāyaguṇḍe or Bālambhaṭṭa *Laghubhūṣaṇa-kānti*

P15:C3x6 **Nagesa Bhatta** or **Nagoji Bhatta** *Vaiyākaraṇa-siddhānta-māñjūṣā*
P15:C3*x*61 Vaidyanātha Pāyaguṇḍe or Bālambhaṭṭa *Kalā*

P15:C4x1 **Amarasimha** *Amrakośa* or *Nāmalingānuśāsana*
P15:C4*x*11 Kṣīraswāmin *Amarakośodghāṭana*
P15:C4*x*12 Sarvānanda Vandyaghatīya *Tīkā-sarvasva*
P15:C4*x*13 Subhūti or Subhūticandra *Kāmadhenu*
P15:C4*x*14 Bṛhaspati or Rāyamukaṭa *Padacandrikā*
P15:C4*x*15 Bhanujidīkṣita *Vyākhyāsudhā* or *Rāmāśrami*

P15:C4*x*16	Nārāyaṇa Śarman *Amarakośapañjikā* or *Padārthakaumudī*
P15:C4*x*1F90	Maheśvara *Amaraviveka*
P15:C4*x*1L90	*Gurubāla-prabodhikā*
P15:C4x2	**Yadavaprakasa** *Vaijayantī*
P15:C4x3	**Mahesvara** *Viśvaprakāśa*
P15:C4x4	**Sasvata** *Anekārthasamuccaya*
P15:C4x5	**Halayudha** *Abhidhānaratnamālā*
P15:C4x6	**Trikandasesa** *Kośasamuccaya*
P15:C4*x*F90	Keśavasvāmin *Nānārthārṇava Saṃkṣepa*
P15:C4*x*F60	Keśava *Kalpadrukośa*

Prakrt

P151x2	**Vararuci** *Prākṛtasūtras*
P151*x*21	Bhāmaha *Prākṛtaprakāśa*

Tamil

P31:A*x*1	Agastyar or Agattiyar
P31:D*x*1	Tolkāppianar *Tolkāppiam*
P31:D*x*101	*Ezhuttadhikāram*
P31:D*x*103	*Śolladhikāram*
P31:D*x*104	*Poruladhikāram*
P31:D*x*11	Ilampūraṇar *Commentary*
P31:D*x*12	Kallāḍanār *Commentary*
P31:D*x*13	Perāśiriyar *Commentary*
P31:D*x*14	Senāvaraiyar *Commentary*
P31:D*x*15	Naccinārkkiniyar *Commentary*
P31:D4*x*1	*Ādi-divākaram*
P31:D4*x*11	Divākarar *Śendan-divākaram*
P31:D4*x*2	Gayakarar *Gayakaram*
P31:D4*x*3	Piṅgaḷar *Piṅgaḷa-nighaṇṭu*
P31:D4*x*4	Āṇḍippulavar *Āśiria-nighaṇṭu*
P31:D4*x*5	Maṇḍalapuruḍar or Vīra Maṇḍalavar *Cūḍāmaṇi-nighaṇṭu*
P31:Jx1	**Pavanandi Munivar** *Nannūl*
P31:J*x*11	Mayilaināthar *Urai*
P31:J*x*12	*Nannūl-āśiriya-virutti*
P31:J*x*13	Subrahmaṇya Dīkṣitar *Prayoga-vivekam*
P31:J*x*14	Swāminātha Deśikar *Ilakkaṇakkottu*

P31:Jx15 Sankaranamassivāyar *Urai*
P31:Jx18 Narkavī Rājanambī *Ahapporul-viḷakkam*
P31:JxK40 Vaidyanātha Deśikar *Ilakkaṇa-viḷakkam*
P31:J4xJ96 Cidambararevaṇa Siddhar *Akarādi-nighaṇṭu*
P31:J4xL95 Subrahmaṇya Bhārati *Poruṭṭogai-nighaṇṭu*
P31:J4xM00 Muttuswami Pillai *Nānārthadīpikai*

Kanarese

P33:E4x1 Nāgavarma *Abhidhāna-vastukōśa*
P33:E4xH50 *Karṇāṭaka Śabdasāra*

Telugu

P35:Ex1 Nannayabhaṭṭācārya *Āndhra-śabda-cintāmaṇi*
P35:Ex11 Ahobalapaṇḍita *Ahobalapaṇḍitīyamu* or *Kaviśirobhūṣaṇamu*
P35:Ex12 Narasiṃharāja Siṃhudu Balārisiṃha *Kavijanāñjanamu*
P35:Ex13 Appakavi *Appakavīyamu*
P35:Ex17 Bālasaraswati *Bālasaraswatīamu*
P35:Ex18 Rāmaśāstry *Udyotinī*
P35:Ex2 Ātharvaṇācārya *Ātharvaṇa-kārikāvāḷi*
P35:Ex3 Ketanakavi *Āndhra-bhāṣā-bhūṣaṇamu*
P35:Ex4 Peddanna *Kāvyālaṅkāra-cūḍāmaṇi*
P35:Ex5 Timmaya *Sarvalakṣaṇa-sārasaṅgrahamu*
P35:Ex6 Sūrakavi or Sūraya (Aḍidamu) *Kavi-śamsaya-vicchedamu*
P35:ExM60 Cinnaya Sūri (Paravastu) *Bāla-vyākaraṇamu*
P35:ExM601 Saṅkara Raṅgayya and Venkaṭarāma Śāstri (Kalluri) *Bālavyākaraṇa-guptārtha-prakāśikā*
P35:E4x1 Lakṣmaṇuḍu (Paiḍipāṭi) *Āndhra-nāma-saṅgrahamu*
P35E4x2 Kastūri Raṅgayya *Sāmba-nighaṇṭu*
P35E4x3 Venkanna (Koti) *Āndhra-bhāṣārṇavamu*
P35E4x6 Sūraya (Aḍidamu) *Āndhra-nāma-Śeṣamu*

Q RELIGION

Q [R]: [P]

Divisions based on the train of Religion or **R** *Characteristic*

1	**Hinduism (Vedic)**
11	**Rgvedic**
111	Aitareyins
112	Kauśītakins
12	**Yajur Vedic**
121	Black Yajur Vedic
122	Kāṭhakas
123	Kāpiṣṭhala Kaṭhas
124	Maitrāyaṇīyas
125	Taittirīyas
126	White Yajur Vedic or Vājasaneyins
127	Mādhyandina
128	Kāṇva
13	**Sama Vedic**
131	Tāṇḍins
132	Talavakāras or Jaiminīyas
133	Rāṇāyanīya
14	**Atharva Vedic**
141	Śaunakīya
142	Paippalāda
2	**Hinduism (Post Vedic)**
21	**Smartaism**
22	**Vaisnavism**
221	**Bhāgavatas**
2212	Madhvas
2215	Rādhaits
22151	Viṣṇuswāmins
22152	Nimbārkas
2216	Caitanyas
222	Pāñcarātra
2221	Śrī Vaiṣṇava
22211	Vadagalais
22212	Tengalais
2222	Manbhāu
223	Nārasimhas
224	Rāmas
23	**Saivism**
231	Pāśupatas
2311	Lakulīśa-pāśupatas
2312	Kāpālikas
2313	Gorakṣanāthis
2315	Nāthas
2316	Raseśvaras
232	Āgamic Śaivism
233	Kāṣmīr Śaivism
234	Vīraśaivism
24	**Ganapatyism**
25	**Saktaism**
251	Right handed
255	Left handed
256	Kaulācārins
26	**Sanmukhaism**
28	**Sauraism**
29	Others

298 Hanumatseva
2998 Village god-worshippers

Other post vedic religions to be divided by the Chronological Device (Illustrative)

29J44 Sāds
29M28 Rramo Samāj
29M75 Ārya Samāj

3 Jainism
31 Svetambaras
311 Pujeras
312 Dhūndias
313 Terapanthis

32 Digambaras
321 Bispanthis
323 Terapanthis
324 Samaiyapanthis
325 Gumanpanthis
326 Totapanthis

4 Buddhism
41 Hinayana
411 Mahāsāṅghikas
412 Mahīśāsakas
413 Lokottaravādins
414 Sarvāstivādins
415 Mūlasarvāstivādins
416 Dharmaguptas
417 Sammitīyas

4182 Hinayana Sects of Japan
41821 Kusha
41822 Pitsu
41823 Jojitsu

42 Mahayana (Indian and general)

43 Lamaism. Mahayana (Tibet)

44 Mahayana (China)
441 Ch'an
442 Chiao-men
443 Lu
444 T'ien t'ai
445 Hsien shou or Hua yen
446 Tz'u en or Fa Hsiang
448 Ching t'u

45 Mahayana (Japan)
451 Hosso
452 Sanron
453 Kegon
454 Tendai
455 Jodo
456 Shin
457 Nichiren
458 Shingon
4596 Zen

5 Judaism
51 Palestine
52 Babylonian
58 Zionist

6 Christianity
61 Early churches
611 Greek
613 Armenian
618 Russian
62 Roman Catholic
63 Protestant
64 Presbyterian
65 Puritan
66 Quakers

68 *Others by the Chronological Device (Illustrative)*

68L4 New Church
68L6 Methodists
68M6 Christian Science

7 **Muhammadanism**
71 Sunnis
711 Heneifi
712 Shafi'l
713 Maliki
714 Henbeli
72 Shi'ahs
73 Mu'tazilites
77 Wahābis
78 *Others by the Chronological Device (Illustrative)*

78M5 Bahaism
78M9 Ahamadiyas

8 **Other Religions**

Divided by the Geographical Device and Favoured Category Device (Illustrative)

8411 Preconfucianism
8412 Confucianism
8413 Lao-Tseism. Taoism
8421 Shintoism
8441 Sikhism
8451 Zoroastrianism
8452 Manichaeism

Universal religions
To be individualised by the Chronological Device (Illustrative)

QM75 Theosophy

Divisions based on **Problem** *or* **P** *Characteristic*

1 **Mythology, etc.**
2 **Scripture**
25 Sayings
26 Traditions

Subdivisions for Religion Division **'1 Hinduism (Vedic)'**

21 Samhitās
22 Brāhmaṇas
23 Āraṇyakas
24 Upaniṣads

Subdivisions for Religion Division **'2 Hinduism (Post-vedic)'**

21 Relevant selections from the Vedas
22 Relevant selections from Purāṇas
23 Samhitās, āgamas, tantras
24 Upaniṣads

3 **Theology**
31 God
311 *Avasara*
315 *Avatāra*
32 Angels, devils, etc.
324 *Navagrahas* (Planets)
33 Founders of religion
332 Consecrated saints
34 Man, soul
35 Salvation
351 Predestination

352 Freedom, free-will
353 Faith
354 Repentance
355 Regeneration
356 Grace
36 Eschatology
361 Death
362 Intermediate state
363 Judgment
364 Heaven
365 Hell
366 Rebirth
367 Eternity
368 Immortality
369 Other topics
37 Universe
38 *Sthala* (local) *purāṇas*
39 Other topics
396 Revelation

4 **Religious practices** (*Kalpasūtrās* in Vedic religion)

41 **Personal**
411 Initiatory
412 Meditative
413 Evangelistic
414 Worship
4146 Prayer
415 Symbolism
416 Sacred furniture (*Śulvasūtras* in Vedic religion)
417 Hymns
4173 *Nāmāvali*
418 Sacred formulæ, incantations
419 Other topics
4192 Rituals
4193 Gifts
4194 Appeasement
4195 Expiation
4196 Devotion
4198 Pilgrimage

42 **Sacraments** (*Gṛhyasūtrās* in Vedic religion)
423 Baptism
426 Confirmation
427 Marriage
428 Obsequies
4284 Pollution
4288 Anniversary rites
42891 *Satī*
429 Other topics

43 Holy days
433 Fasts
437 Vigils
44 Didactics (*Dharmasūtrās* in Vedic religion)
447 Monkhood
448 Penance
45 Public worship
451 Ecclesiology
452 Consecration
454 Worship
456 Sacred furniture
457 Festivals
458 Temple priests
46 *Gotrapravara* in Vedic religion
49 Other topics
494 Sacrifices
495 Holy waters

5 **Preaching, etc.**
51 Preaching
52 Sermons
53 Pastoral visitations
57 Societies for parish work

6 **Religious institutions**
61 Religion and its relation to other institutions
62 Ecclesiastical polity
621 Clergy
6211 Apostolic succession
6212 Papacy
6213 Episcopate
6214 Lay ministry
65 Missions
67 Monastic orders
68 Religious associations
681 Religious societies for men and women
6811 Societies for men
6815 Societies for women
682 Other topics

7 **Religious sects**
8 **Heresies and persecutions**

Sacred Books
with special names
and **Classics**
(Illustrative)

Q1 Hinduism (Vedic)

Samhitās

Q125:214 Ekāgnikāṇḍa, Mantraprašna, Mantrapāṭha
Q131:211 Arcika
Q131:212 Āraṇyaka
Q131:213 Uttarārcika
Q131:214 Stobha
Q131:215 Veyagāna
Q131:216 Araṇyagāna
Q131:217 Ūhagāna
Q131:218 Rahasyagāna

Brāhmaṇas

Q112:22 Sānkhāyana
Q127:22 Śatapatha
Q131:23 Sāmavidhāna
Q131:221 Pancavimśa
Q131:222 Ṣaḍvimśa
Q131:224 Ārṣeya
Q131:225 Chāndogya
Q131:226 Devatādhyāya
Q14:22 Gōpatha

Upaniṣads

Q125:25 Nārāyaṇa, Yājñik
Q125:26 Śvetāśvatara
Q127:24 Bṛhadāraṇyaka
Q127:25 Īśāvāsya
Q131:24 Chāndogya
Q132:24 Kena
Q141:24 Prašna
Q141:25 Muṇḍaka
Q141:26 Māṇḍukya

Kalpasūtras

Q11:4x11 Āśvalāyana
Q112:4x2 Śānkhāyana
Q124:4x1 Mānava
Q124:4x2 Kāṭhaka
Q124:4x3 Varāha

Q125:4x1 Baudhāyana
Q125:4x2 Āpastamba
Q125:4x3 Bhāradvāja
Q125:4x4 Hiraṇyakeśin
Q125:4x5 Vādhūla

Q126:4x6 Vaikhānasa

Q127:4x1 Kātyāyana
Q127:4x2 Pāraskara

Q131:4x1 Māṣaka
Q131:4x2 Lāṭyāyana
Q131:4x3 Gobhila
Q131:4x5 Chāndogya

Q132:4x1 Jaiminīya

Q133:4x2 Drāhyāyaṇa
Q133:4x3 Khādira
Q133:4x5 Gautama

Q141:4x1 Kauśika
Q141:4x2 Vaitāna

Q2 Hinduism (Post Vedic)

Dharma Śāstrās

Q2:4x1 Manu
Q2:4x11 Medhātithi
Q2:4x12 Kullūkabhaṭṭa
Q2:4x13 Govindarāja
Q2:4x14 Nandana
Q2:4x15 Sarvajña Nārāyaṇa
Q2:4x16 Nārāyaṇa
Q2:4x17 Rāghavendra
Q2:4x18 Rāmacandra
Q2:4x2 Yajnavalkya
Q2:4x21 Viśvarūpa
Q2:4x22 Mitākṣara
Q2:4x221 Subodhinī
Q2:4x222 Pramitākṣara
Q2:4x223 Bālambhaṭṭī
Q2:4x23 Aparārka or Aparāditya
Q2:4x24 Śūlapāṇi
Q2:4x25 Mitramiśra
Q2:4x3 Vāsiṣṭha
Q2:4x4 Parāśara
Q2:4x5 Nārada
Q2:4x6 Hārīta
Q2:4x7 Viṣṇu
Q2:4xD75 Asahāya

Q2:4xH80 Vidyākara Vājapeyi *Nityācārapaddhati*
Q2:4xK26 Kamalākara Bhaṭṭa *Nirṇayasindhu*
Q2:4xL50 Kāśinātha *Dharmasindhu*

Digests

Q2:4zx6 Gopinātha *Samskāraratnamālā*
Q2:4zxF50 Devana Bhaṭṭa *Smṛticandrikā*
Q2:4zxI50 Narasimha Vājapeyi *Nityācārapradīpa*
Q2:4zxJ20 Raghunātha *Smṛtitattva*
Q2:4zxJ30 Viśwambhara Tṛpāṭhi *Smṛtisāroddhāra*

Q2:4*zx*K20 Mitra Miśra *Vīramitrodaya*
Q2:4*zx*K70 Ratnākara *Jayasimha kalpadruma*
Q2:4*zx*L25 Ananta Bhaṭṭa *Vidhānapārijāta*
Q2:41*zx*G60 Hemādri *Caturvargacintāmaṇi*
Q2:41*zx*I60 Gadādhara *Gadādhara paddhati*
Q2:41*zx*K30 Vaidyanātha Dīkṣita *Smṛtimuktāphala*

Q2:4193*zx*J40 Govindānanda *Dānakriyākaumudi*
Q2:4193*zx*J61 Bhaṭṭa Nīlakaṇṭha *Dānamayūkha*

Q2:4195*zx*J50 Nāgeśa Bhaṭṭa *Vrātya prāyaścitta nirṇaya*
Q2:4195*zx*K60 Nāgoji Bhaṭṭa *Prāyaścittenduśekhara*

Q2:4198*zx*J80 Bhaṭṭoji Dīkṣita *Tristhalīsetu*
Q2:4198*zx*H30 Vācaspati Miśra *Tīrtha cintāmaṇi*
Q2:4198*zx*82 Dalapati Rāja *Nṛsimhaprasāda tīrthasāra*

Q2:42*zx*E55 Śridharācārya *Smṛtyarthasāra*
Q2:42*zx*H25 Caṇḍeswara Ṭhakūra *Gṛhastha ratnākara*
Q2:42*zx*H75 Madanapāla *Madanap ārijāta*
Q2:42*zx*J61 Śankara Bhaṭṭa *Samskāra mayūkha*

Q2:428*zx*F70 Aniruddha Bhaṭṭa *Hāralatā*
Q2:428*zx*K80 Divākara Bhaṭṭa *Śrāddha candrikā*
Q2:4284*zx*I96 Ādityācārya *Ṣaḍaśīti*
Q2:4284*zx*L20 Bhaṭṭa Raghunātha *Tṛmśacchlokī*

Q2:4288*zx*L25 Śeṣakṛṣṇa Paṇḍita *Dharmānubandhi ślokacaturdaśi*
Q2:43*zx*L50 Vāsudevaratha *Smṛtiprakāśa*
Q2:43*zx*F10 Jīmūtavāhana *Kālaviveka*
Q2:45*zx*I26 Nārāyaṇa *Tantrasamuccaya*

Q21 Smartaism

Relevant Selections from Vedas

Q21:21*x*1 Puruṣasūktam

Purāṇas

Q21:221 Brahma
Q21:222 Mārkaṇḍeya
Q21:223 Bhaviṣya
Q21:2231 Bhaviṣyottara
Q21:224 Vāmana
Q21:225 Brahmāṇḍa
Q21:2251 Adhyātma Rāmāyaṇa
Q21:2252 Rāma gītā
Q21:226 Yogavāśiṣṭha Rāmāyaṇa, Jñānavāsiṣṭha
Q21:227 Ānandarāmāyaṇa
Q21:228 Adbhutarāmāyaṇa

Q22 Vaisnavism

Devotees

Q22*wx*1:1 Mahīpati *Bhaktavijaya*
Q22*wx*1:2 Mahīpati *Bhaktalīlāmṛta*
Q22*wx*2 Candradatta *Bhaktamālā*

Purāṇas

Q22:221 Padma
Q22:2211 Śiva gītā
Q22:222 Viṣṇu
Q22:223 Bhāgavata
Q22:224 Nārada
Q22:2241 Nārada-upapurāṇa
Q22:225 Brahmavaivarta
Q22:226 Varāha
Q22:227 Garuḍa
Q22:2271 Viṣṇudharmottara
Q22:228 Harivaṁśa
Q22:2291 Kalki
Q22:2292 Narasimha
Q22:2293 Bhārgava

Hymns

Q22:417*x*1 Nalayira divya prabandham

Q22:417*x*1 First thousand
Q22:417*x*1:11 Tiruppallāṇḍu (Periyāzhvār)
Q22:417*x*1:12 Tirumozhi (Periyāzhvār)
Q22:417*x*1:13 Tiruppāvai (Āṇḍāl)
Q22:417*x*1:14 Nācchiyār tirumozhi (Āṇḍāl)
Q22:417*x*1:15 Perumāl tirumozhi (Kulaśekhara Āzhvār)
Q22:417*x*1:16 Tiruchanda viruttam (Tirumazhiśai Āzhvār)
Q22:417*x*1:17 Tirumalai (Toṇḍaraḍippoḍi Āzhvār)
Q22:417*x*1:18 Tiruppalliezhucci (Toṇḍaraḍippoḍi Āzhvār)
Q22:417*x*1:191 Amalanādippirān (Tiruppāṇāzhvār)
Q22:417*x*1:192 Kaṇṇinuṇ śiruttāmbu (Madurakaviyāzhvār)

Q22:417*x*1:2 Second thousand
Q22:417*x*1:21 Periyatirumozhi (Tirumangai Āzhvar)
Q22:417*x*1:22 Tirukkuruntāndagam (Tirumangai Āzhvār)
Q22:417*x*1:23 Tiruneḍuntāndagam (Tirumangai Āzhvār)

Q22:417*x*1:3 Third thousand
Q22:417*x*1:31 Mudaltiruvandādi (Poigai Āzhvār)
Q22:417*x*1:32 Iraṇḍāntiruvandādi (Pūdattādzhvār)
Q22:417*x*1:33 Mūnrāntiruvandādi (Pēyāzhvār)
Q22:417*x*1:34 Nānmugantiruvandādi (Tirumazhisai Āzhvār)
Q22:417*x*1:35 Tiruviruttam (Nammāzhvār)
Q22:417*x*1:36 Tiruvāsiriyam (Nammāzhvār)
Q22:417*x*1:37 Periyatiruvandādi (Nammāzhvār)

Q22:417*x*1:38 Tiruvezhukūṛṛirukkai (Tirumaṅgai Āzhvār)
Q22:417*x*1:391 Śiriyatirumaḍal (Tirumaṅgai Āzhvār)
Q22:417*x*1:392 Periyatirumaḍal (Tirumaṅgai Āzhvār)

Q22:417*x*1:4 Fourth thousand
Q22:417*x*1:41 Tiruvāymozhi (Nammāzhvār)
Q22:417*x*1:42 Irāmānuśa *Nūṛṛandādi*

Nāmāvali

Q22:4173*x*1 *Viṣṇu sahasranāma*
Q22:4173*x*11 Śaṅkara *Commentary*

Q22 Pancaratra

Samhitās

Q222:231 Pauṣkara
Q222:232 Sāttvata
Q222:233 Ahirbudhnya
Q222:234 Jaya
Q222:235 Padma
Q222:236 Parameśwara
Q222:237 Iśwara
Q222:2391 Brahma
Q222:2392 Nārada
Q222:23921 Brhadbrahma
Q222:2393 Ānanda

Q23 Saivism

Devotees

Q23*wx*1 Śekkizhār *Periya-purāṇam*

Relevant selections from the Vedas

Q23:21*x*1 Rudra
Q23:21*x*2 Camaka

Purāṇas

Q23:221 Vāyu
Q23:222 Agni
Q23:223 Linga
Q23:224 Gaṇeśa
Q23:2244 Gaṇeśagītā
Q23:225 Matsya
Q23:226 Skanda
Q23:2261 Sūtasamhitā
Q23:2262 Brahmagīta
Q23:227 Kūrma
Q23:2271 Īswaragita
Q23:228 Saura
Q23:2291 Śiva

Hymns

Q23:417*x*1 Tevāram

Q23:417*x*2 Sambandar
Q23:417*x*3 Appar
Q23:417*x*4 Sundarar
Q23:417*x*5 Māṇikkavācagar

Q23:417*x*6 Tiruvisaippā
Q23:417*x*7 Tiruppallāṇḍu
Q23:417*x*8 Tirumūlar *Tirumandiram*

Q23:417*x*91 Eleventh Tirumurai (Padinorantirumurai)

Q232 Agamic Saivism

Āgamas

Q232:2311 Kāmika
Q232:2312 Yogaja
Q232:2313 Cintya
Q232:2314 Kāraṇa
Q232:2315 Ajita
Q232:2316 Dipta
Q232:2317 Sūkṣma
Q232:2318 Sahasraka
Q232:2321 Amśumān
Q232:2322 Suprabhā
Q232:2331 Vijaya
Q232:2332 Niśvāsa
Q232:2333 Svāyambhuva
Q232:2334 Āgneyaka (Āgneya, Anala, Anila)
Q232:2335 Bhadra (Vīra)
Q232:2336 Raurava
Q232:2337 Mākuṭa
Q232:2338 Vimala
Q232:2341 Candrahāsa (Candrajñāna)
Q232:2342 Mukhayugbimba (Bimba)
Q232:2343 Udgīta (Prodigīta)
Q232:2344 Laḷita
Q232:2345 Siddha
Q232:2346 Santāna
Q232:2347 Nārasimha (Sarvokta, Sarvottara)
Q232:2348 Parameśvara
Q232:2351 Kiraṇa
Q232:2352 Para (Pārahita, Vātuḷa)

Q233 Kasmīr Saivism

Q233:231 Mālinīvijaya
Q233:2311 Abhinavagupta *Vārttika*
Q233:232 Svacchanda
Q233:2321 *Uddyota*
Q233:233 Vijñāna Bhairava
Q233:234 Ucchūṣma Bhairava
Q233:235 Ananda Bhairava
Q233:236 Mṛgendra
Q233:237 Mataṅga
Q233:2371 *Vṛtti*
Q233:238 Śiva sūtra
Q233:2381 *Vṛtti*
Q233:2382 Bhāskara *Vārttika*
Q233:2385 Kṣemarāja *Vimarśinī*
Q233:2391 Netra
Q233:2392 Naiśvāsa
Q233:2393 Svāyambhuva
Q233:2394 Rudra-yāmaḷa
Q233:2395 Spanda sūtra (Spanda kārikā)
Q233:23951 Kallaṭa *Vṛtti* (Śpanda Sarvasva)
Q233:23952 Rāmakaṇṭha *Vivṛti*
Q233:23953 Utpala II *Pradīpikā*

Q233:23954 Kṣemarāja *Spandasandoha*
Q233:23955 Kṣemarāja *Spanda Nirṇaya*

Q234 Virasaivism
Q234*x*K50 Prabhulingalīla
Q234:22 Padmarājapurāṇam

Q25 Saktaism
Q25*x*1 Śaṅkara *Saundaryalahari*
Q25*x*11 Lakṣmīdhara's *commentary*

Relevant selections from the Vedas
Q25:21*x*5 Śrisūktam
Q25:21*x*6 Durgā sūktam

Purāṇas
Q25:221 Devī-bhāgavata
Q25:222 Bṛhaddharma
Q25:223 Kālikā
Q25:225 Lalitopākhyāna
Q25:2291 Devi māhātmya
Q25:4*x*1 Mahīdhara *Mantramahodadhi*
Q25:4173*x*1 *Lalitā Sahasranāma*
Q25:4173*x*11 Bhāskara *Commentary*

Q26 Sanmukaism
Q26:417*x*I50 Aruṇagirināthar *Tiruppugazh*

Q28 Sauraism

Purāṇas
Q28:221 Āditya
Q28:223 Sāmba

Q3 Jainism
Q31 Swetambaras
Q31*y*5*x*1 Śubhavijayagaṇi Praśnaratnākara
Q31:21 Canonical works
Q31:211 Angas
Q31:21111 Ācāra (Āyāra)
Q31:21112 Sūtrakṛita (Suyagaḍa)
Q31:21113 Sthāna (Thāṇa)
Q31:21114 Samavāya
Q31:21115 Bhagavatī
Q31:21116 Jñātadharmakathā (Nāyadhammakahā
Q31:21117 Upāśaka daśā (Uvāsagadasāo)
Q31:21118 Antakṛtadaśā (Antagaḍadasāo)
Q31:21121 Anutta raupapātikadaśā (Anuttarova vāiyadasāo)
Q31:21122 Praśnavyākaraṇa (Paṁhāvāgaraṇa)
Q31:21123 Vipāka (Vivāga)
Q31:21124 Dṛṣtivāda

Q31:212 Upangas
Q31:21211 Aupapātika (Ovāiya)

Q31:21212 Rājapraśnīya (Rāyapaseṇaiyya)
Q31:21213 Jivābhigama
Q31:21214 Prajñāpanā (Paṇṇavaṇā)
Q31:21215 Sūryaprajñapti (Sūriyapaṇṇatti)
Q31:21216 Jambūdvīpa prajñapti (Jambuddīvapaṇṇatti)
Q31:21217 Candraprajñapti (Candapannati)
Q31:21218 Nirayāvali (Nirayāvaliyāo) or Kalpika (Kappiyāo)
Q31:21221 Kalpāvataṁśikā (Kappavadiṁsiāo)
Q31:21222 Puṣpikā (Pupphiyāo)
Q31:21223 Puṣpacūḍā (Pupphacūlao)
Q31:21224 Vṛṣnidaśā (Vaṁhidasāo)

Q31:213 Prakīrṇas (Painna or Payanna)

Q31:21311 Vīrabhadra Catuḥ śaraṇa (Causaraṇa)
Q31:21312 Āturapratyākhyāna
Q31:21313 Bhakta-Parijña
Q31:21314 Saṁstāra (Santhāra)
Q31:21315 Tandulavaitalika; Tandulavaicarika (Tandulaveyāliya)
Q31:21316 Candāviyyaya
Q31:21317 Devendrastava (Devindatthaa)
Q31:21318 Gaṇi tavidyā (Gaṇiviyya)
Q31:21321 Mahāpratyākhyāna
Q31:21322 Vīrastava (Vīratthaa)
Q31:21323 Gacchācāra prakīrṇaka

Q31:214 Chheda sutras

Q31:2141 Niśitha
Q31:2142 Maha Niśitha
Q31:2143 Vyavahāra
Q31:2144 Ācaradaśāh or Daśāśrutaskandha or Dasāh kappavahar
Q31:2145 Bṛihatkalpa
Q31:2146 Pañcakalpa

Q31:215 Nandi and Anuyogadvara

Q31:2151 Nandi sūtras
Q31:2152 Anuyogadvāra

Q31:216 Mulasutras

Q31:2161 Uttarāddhyayana
Q31:2162 Āvaśyaka
Q31:2163 Daśavaikālika, Dasaveyāliya
Q31:2164 Piṇḍaniryukti
Q31:2167 Oghaniryukti

Q31:4x6 *Śrāddhapratikramaṇa Sūtram*

Q31:41x3:11 Haribhadra Sūri: *Dharmabindu Prakaraṇa*

Q4 Buddhism

Q41 Hinayana

Q41x General treatises
Q41x1 Milindapanha
Q41x2 Nettipakaraṇa
Q41x5 Buddhaghosa: *Visuddhimagga*
Q41x53 Dhammapāla: *Mahāṭika or Paramatthamanjūṣā*
Q41x6:1 Buddhadatta: *Abhidhammāvatāra*
Q41x6:2 Buddhadatta: *Rūpārūpavibhāga*
Q41x6:3 Buddhadatta: *Vinaya-Viniccaya*

Q41:2 Sacred books (Tripitakas)

Q41:21 Vinaya-piṭaka
Q41:21:9x1 Buddhaghosa: *Sāmantapāsādika*
Q41:211 Suttavibhanga
Q41:2111 Pārājika
Q41:2112 Pācittiyā
Q41:212 Khaṇḍakās
Q41:2121 Mahāvagga
Q41:2122 Culḷavagga
Q41:2123 Parivāra

Q41:22 Sutta-pitaka

Q41:221 Dīgha-nikāya
Q41:221:9x1 Buddhaghosa: *Sumangalavilāsinī*
Q41:222 Majjhima-nikāya
Q41:222:9x1 Buddhaghosa: *Papancasūdani*
Q41:223 Samyutta-nikāya
Q41:223:9x1 Buddhaghosa: *Sāratthapakāsinī*
Q41:224 Anguttara-nikāya
Q41:224:9x1 Buddhaghosa: *Manorathapūraṇī*
Q41:225 Khuddaka-nikāya
Q41:225:9x1 Buddhaghosa: *Khuddakanikāyatthakathā*
Q41:22511 Khuddaka-Pāṭha
Q41:22511:9x1 Buddhaghosa *Paramattha Jotikā*
Q41:22512 Dhammapada
Q41:22512:9x1 Buddhaghosa: *Dhammapadaṭṭhakathā*
Q41:22513 Udāna
Q41:22513:9x3 Dhammapāla: *Paramatthadīpani*

Q41:22514 Itivuttaka
Q41:22514:9x3 Dhammapāla: *Itivuttakaṭṭhakathā*
Q41:22515 Suttanipāta
Q41:22515:9x1 Buddhaghosa: *Paramattajotika*
Q41:22516 Vimānavatthu
Q41:22516:9x3 Dhammapāla: *Paramatthadīpanī*
Q41:22517 Petavatthu
Q41:22517:9x3 Dhammapāla: *Paramatthadīpanī*
Q41:22518 Theragathā
Q41:22521 Therīgāthā
Q41:22522 Jātakas
Q41:22523 Niddeśa
Q41:22523:9x7 *Saddhammapajjotikā*
Q41:22524 Paṭisambhidamagga
Q41:22525 Apadāna
Q41:22526 Buddhavaṁśa
Q41:22527 Cariyāpiṭakā

Q41:23 Abhidhammapitaka
Q41:231 Dhammasaṅgaṇī
Q41:231:9x1 Buddhaghosa: *Aṭṭhasālinī*
Q41:232 Vibhanga
Q41:232:9x1 Buddhaghosa: *Sammohavinodinī*
Q41:233 Kathāvatthu
Q41:234 Puggalapaññatti
Q41:235 Dhātukathā
Q41:236 Yamaka
Q41:237 Paṭṭhāna

Q41:6x6 Dhammakitti: *Dāṭhāvaṁśa*
Q41:6x7 *Thūpavaṁsa*
Q41:6xE50 Upatissa: *Mahābodhivaṁśa*
Q41:6xM20 Śāsanavaṁśa

Q42 Mahayana
Q42x5 *Saddharmapuṇḍarīka*
Q42xD65:1 Śāntideva: *Śikṣāsamuccaya*
Q42xD65:2 Śāntideva: *Bodhicaryāvatāra*

Q5 Judaism
Q5:221 Seder Zeraim
Q5:222 Seder Moed
Q5:223 Seder Nashim
Q5:224 Seder Nezikin
Q5:22411 Baba Kamma
Q5:22412 Baba Mezia
Q5:22413 Baba Battra
Q5:225 Kodashim
Q5:226 Tabaroth

Q6 Christianity
Q6:21 Bible
Q6:22 Old Testament
Q6:221 Historical books
Q6:222 Poetic books
Q6:2225 Canticles
Q6:223 Prophetic books
Q6:23 New testament
Q6:231 St. Matthew
Q6:232 St. Mark
Q6:233 St. Luke

Q6:234 St. John
Q6:235 Acts
Q6:236 Epistles
Q6:2361 St. Paul
Q6:2362 James
Q6:2363 Peter
Q6:2364 John
Q6:2365 Jude
Q6:237 Sermon on the Mount
Q6:238 Revelation
Q6:294 Apocrypha

Q8412 Confucianism
Q8412:211 Yi Ching
Q8412:212 Shi Ching
Q8412:213 Shu Ching
Q8412:214 Li He
Q8412:215 Chun Chin
Q8412:216 Analects

Q8451 Zoroastrianism
Q8451*x*1 Bundahis
Q8451*x*2 Selections of Zad Sparam
Q8451*x*3 Bahman Yast
Q8451*x*4 Shayast-La-Shayast
Q8451*x*5 Andaz-i-Atarpat-i-Maraspand
Q8451*x*6 Arda Viraf
Q8451*x*7 Dinkard
Q8451*x*8 Gangi-i-Syayigan
Q8451*x*91 Menuk-i-Khrat
Q8451*x*92 Sad Dar
Q8451:2 Avesta
Q8451:21 Gathas
Q8451:22 Vendidad
Q8451:23 Fragments of the Nasks
Q8451:231 Westergard's Fragments
Q8451:232 Zend Fragments
Q8451:233 Tahmura's Fragments
Q8451:234 Fragments of the Erpatistan Nask
Q8451:235 Fragments of the Nirangistan Nask
Q8451:236 Sundry Fragments
Q8451:237 Aogemaide Nask
Q8451:24 The Sirozahs, I and II
Q8451:25 The Yasts
Q8451:2511 Ormazd
Q8451:2512 Haptan
Q8451:2513 Ardebehist
Q8451:2514 Khordad
Q8451:2515 Aban
Q8451:2516 Khorshed
Q8451:2517 Mah
Q8451:2518 Tir
Q8451:2521 Gos
Q8451:2522 Mihir
Q8451:2523 Srosh Yast Hadhokht
Q8451:2524 Rashn
Q8451:2525 Farvardin
Q8451:2526 Bahram
Q8451:2527 Ram
Q8451:2528 Din
Q8451:2531 Ashi

Q8451:2532 Ashtad
Q8451:2533 Zamyad
Q8451:2534 Vanant
Q8451:2535 XXI, a Fragment
Q8451:2536 XXII, a Fragment
Q8451:2537 Afrin Paighambar Zartust
Q8451:2538 Vistasp
Q8451:261 Khorshed Nyasis
Q8451:262 Mihir Nyasis
Q8451:263 Mah Nyasis
Q8451:264 Aban Nyasis
Q8451:265 Atas Nyasis

R PHILOSOPHY

R1	**Logic**
R11	Inductive
R12	Deductive
R13	Dialectics
R14	Symbolic, formal, mathematical (*Alternative to* B:R 1)
R16	Genetic
R17	Scientific method
R19	Special topics
R191	Definition
R192	Inference
R193	Judgment, proposition
R194	Fallacies, sophisms
R195	Ambiguity
R198	Probability
R199	Categories
R2	**Epistemology**
R21	Sources of knowledge
R211	Sense-perception
R212	Inference
R2125	Analogy
R213	Verbal testimony
R2133	Tradition
R215	Presumption
R22	Nature of knowledge
R24	Validity of knowledge
R29	Special topics
R292	Truth and error
R299	Categories
R3	**Metaphysics**

R3 [V] : [S]
Divisions based on View *or* V *Characteristic*

1	Absolute
2	Idealism and realism
21	Idealism
25	Realism
3	Materialism
5	Monism and pluralism
51	Monism
55	Pluralism
6	Teleology
7	Value
9	Other special views

(*To be got by the* Subject Device) (*Illustrative*)

9G	Genetic
9Y	Humanism
R4	**Ethics**

R4 [P] : [C]
Divisions based on the train of Problem *or* P *Characteristic*

1	**Personal ethics**
11	Truth and falsehood
12	Humility, egoism, modesty, pride

13 Temperance
14 Gentleness, cruelty, tolerance, envy, sweetness, anger
15 Chastity, celibacy, adultery, immoral habits
16 Gratefulness and ungratefulness
17 Diligence and sloth
18 Courage, cowardliness, firmness, weakness
19 Other qualities

2 Family ethics

21 Husband and wife, marriage, divorce
211 Husband
215 Wife
217 Marriage
2175 Polygamy, adultery
2178 Break up of marriage
22 Parent and child
221 Parent
2211 Father
2213 Foster father
2214 Step-father
2217 Foster mother
2218 Step-mother
225 Child
2251 Son
2253 Foster son
2254 Step-son
2255 Daughter
2257 Foster daughter
2258 Step-daughter
23 Guardian and ward
231 Guardian
235 Ward
24 Dependent relative
241 Conduct towards dependent relative
245 Conduct of dependent relative
25 Other relatives
251 Conduct towards other relatives
255 Conduct of other relatives
26 Guest, host
261 Host
265 Guest, host
28 Domestic servants
281 Conduct towards domestic servants
285 Conduct of domestic servants

3 Social ethics

32 Truth and slander
33 Philanthropy and humanity
34 Etiquette
341 Etiquette of entertainments
342 Etiquette of wedding
343 Card etiquette
344 Conversational etiquette
345 Letter-writing etiquette
346 Travelling etiquette

347 Club etiquette
348 Funeral etiquette
37 Friendship, courtship
3W State ethics (Subdivisions as in 'W' Political Science)

4 Professional and business ethics

To be divided by Professions

6 Ethics of leisure and amusements

To be divided as 'MY'

7 Conduct towards animals
9 Special topics
91 Good and evil
911 Good
915 Evil
918 Compromise
92 Truth and falsehood
921 Truth
925 Falsehood
928 Compromise
93 Right and wrong
931 Right
935 Wrong
938 Compromise
94 Happiness and sorrow
941 Happiness
945 Sorrow
948 Compromise
96 Progress, perfection
961 Progress
965 Perfection
968 Compromise
98 Compromise in general

Divisions based on the train of **Controlling** *or* **C** *Characteristic*

1 Egotism, altruism
11 Egotism
15 Altruism
3 Conscience
6 Teleology
7 Value

Other divisions to be got by the **Subject Device**

R5 Aesthetics
R6 Indian philosophy

(Philosophy of the mother country or the most favoured system)

R61 Hindu philosophy
R62 Nyaya, Vaisesika
R621 Vaiśeṣika
R625 Nyāya
R63 Sankhya, Yoga
R631 Sāṅkhya
R635 Yoga
R64 Purva mimamsa
R641 Bhāṭṭa mīmāmsā
R645 Prabhākara mīmāmsā
R65 Vedanta
R66 Advaita
R663 Pratyabhijñā (Kāśmīrian)
R6634 Vīraśaiva advaita
R67 Visistadvaita
R672 Vaiṣṇava

R673 Śaivasiddhānta
R68 Dvaita
R689 Other vedāntic schools

R69 Other Indian schools
R691 Cārvāka
R693 Jaina
R694 Buddhistic
R6941 Hīnayāna
R6942 Vaibhāṣika
R6943 Sautrāntika
R6945 Mahāyāna
R6946 Yogācāra
R6947 Mādhyamika

R7 The second favoured system

R8 Other Systems

(To be divided by the **Geographical Device***)*

Class Numbers by the **Classic Device** *(illustrative)*

R6 INDIAN PHILOSOPHY

R6*x*1 Haribhadra *Ṣaḍdarśana-samuccaya*
R6*x*2 Mādhavācārya *Sarvadarśana-saṅgraha*
R6*x*3 Śaṅkarācārya *Sarva-siddhānta-saṅgraha*
R6*x*4 *Sarvamata-saṅgraha*
R6*x*5 *Prapañcahṛdaya*

R621 VAISESIKA

R621x1 Kanada. Vaisesika-sutra
R621*x*11 Praśastapāda Ācārya *Padārtha-saṅgraha*
R621*x*111 *Padārtha-tattvanirṇaya*
R621*x*112 *Dravya-bhāṣya-ṭīkā*
R621*x*114 Śrīdhara *Nyāya-kandaḷī*
R621*x*115 Udayaṇācārya *Kiraṇāvali*
R621*x*1151 Vardhamānopādhyāya *Kiraṇāvali-prakāśa*
R621*x*11512 Raghunātha Śiromaṇi *Kiraṇāvali-prakāśa-dīdhiti*
R621*x*1152 Padmanābhamiśra *Kiraṇāvali-bhāskara*
R621*x*1153 Bhaṭṭa Vādīndra *Rasasāra*
R621*x*11I90 Śaṅkaramiśra *Praśastapādabhāṣya-ṭīkāsaṅgraha*
R621*x*11K30 Jagadīśa. Tarkālaṅkāra *Praśastapāda-bhāṣya-sūkti*
R621*x*12 Śaṅkaramiśra *Upaskāra*
R621*x*1M50 Jayanārāyaṇa Tarkapañcānana *Vivṛti*
R621x2 Vallabhacarya. Nyayalilavati
R621*x*21 Vardhamāna *Nyāyalīlāvatī-prakāśa*
R621*x*211 *Nyāyalīlāvatī prakāśa viveka*

R621*x*22 Raghunātha Śiromaṇi *Nyāyalīlāvati-dīdhiti*
R621*x*24 Śaṅkara Miśra *Nyāyalīlāvati kaṇṭhābharaṇa*
R621*x*8 Bhagīratha Ṭhakūra *Nyāyalīlāvati vivṛti*
R621*x*D95 Sivāditya *Saptapadārthi*
R621*x*D951 Jinavardhana Śuri *Commentary*
R621*x*D952 Mādhava Saraswati *Mitabhāṣiṇī*
R621*x*D953 Śeṣānanda *Padārthacandrikā*
R621*x*D954 Bhairavendra *Śiśubodhinī*
R621*x*D955 Balabhadra *Sandarbha*
R621*x*J70 Sarvadeva Śūri *Pramāṇamañjarī*
R621*x*K30 Gaṅgādharasūri *Kānādasiddhānta-candrikā*
R621*x*L50 Veṇīdatta *Padārthamaṇḍana*

R625 NYAYA

R625x1 **Gautama. Nyaya-sutra**
R625*x*11 Vātsyāyana *Nyāya-bhāṣya*
R625*x*111 Uddyotakara *Nyāya-vārttika*
R625*x*1111 Vācaspatimiśra *Nyāya-varttika-tātparya-ṭīkā*
R625*x*11111 Udayaṇācārya *Nyāya-vārttika-tātpārya-pariśuddhi*
R625*x*12 Jayanta Bhaṭṭa *Nyāya-mañjarī*
R625*x*13 Viśwanātha Pañcānana *Nyāya-sūtra-vṛtti*
R625*x*1M10 Rādhāmohan Bhaṭṭācārya *Nyāya-sūtra-vivaraṇa*
R625x2 **Bhasarvajna. Nyayasara**
R625*x*21 Vāsudeva *Nyāyasāra-padapañcikā*
R625*x*22 Jayasimhasūri *Nyāya-tātparya-dīpīkā*
R625x3 **Udayana. Nyaya kusumanjali or Kusumanjali**
R625*x*31 Varadarāja *Bodhinī*
R625*x*32 Vardhamāna *Nyāya-kusumāñjali-prakāśa*
R625*x*321 Rucidattamiśra *Nyāya-kusumāñjali-prakāśa makaranda*
R625*x*33 Haridāsa *Nyāyakusumāñjali kārikā vyākhyā*
R625x4 **Varadaraja. Tarkikaraksa**
R625*x*41 Varadarāja *Sārasaṅgraha*
R625*x*42 Jñānapūrṇa *Laghudīpikā*
R625*x*43 Mallināthasūri *Niṣkaṇṭaka*
R625x5 **Kesavamisra. Tarkabhasa**
R625*x*51 Cennu Bhaṭṭa *Tarkabhāṣāprakāśikā*
R625*x*52 Govardhanamiśra *Tarkabhāṣā-prakāśa*

R625*x*53 Gaurīkānta Sārvabhauma Bhaṭṭācārya *Bhāvārtha-dīpikā*
R625*x*54 Bālacandra *Tarkabhāṣā-prakāśikā*
R625*x*55 Mādhavadeva *Tarkabhāṣā-sāramañjarī*
R625*x*56 Gopinātha *Tarkabhāṣā-bhāvaprakāśikā*
R625*x*57 Kauṇḍinyadīkṣita *Tarkabhāṣā-prakāśikā*
R625*x*58 Viśwakarman *Nyāyapradīpa*

R625x6 Gangesa Upadhyaya. Tattvacintamani

R625*x*61 Vardhamānopādhyāya *Prakāśa*
R625*x*62 Jayadeva *Āloka*
R625*x*63 Rucidattamiśra *Tattva-cintāmaṇi-prakāśa*
R625*x*64 Vāsudevamiśra *Tattvacintāmaṇiṭīkā*
R625*x*65 Raghunātha Śiromaṇi Bhaṭṭācārya *Dīdhiti*
R625*x*651 Mathurānātha *Commentary on Dīdhiti*
R625*x*652 Bhavānanda Siddhānta Vāgīśa *Tattva-cintāmaṇi-dīdhiti-prakāśa*
R625*x*653 Jagadīśa *Jāgadīśī*
R625*x*654 Gadādhara Bhaṭṭācārya *Tattva-cintāmaṇi-dīdhiti vivṛti*
R625*x*6541 Bhīmācārya Ottangadkar *Gādādharī-Pañcalakṣaṇī*
R625*x*65J70 Kṛṣṇadāsa Sārvabhauma *Anumāna-dīdhiti-prasāriṇī*
R625*x*66 Mathurānātha Tarkavāgīśa *Tattva-cintāmaṇi-rahasya*
R625*x*6K36 Rājacūḍāmaṇi Makhin *Maṇidarpaṇa*
R625*x*6K40 Gopinatha *Maṇisāra*
R625*x*6M80 Sangameśvara Śāstri *Sangameśavara kroḍam*

R625x7 Viswanatha Pancanana Bhattacarya. Karika-vali or Bhasa-pariccheda

R625*x*71 Viśwanātha Pañcānana Bhaṭṭācārya *Muktāvaḷi*
R625*x*711 Mahādeva and Dinakara *Prakāśa*
R625*x*7111 Rāmarudra *Rāmarudrīya*
R625*x*712 Rāmarudra *Prabhā*
R625*x*713 Rāmarudra *Mañjūṣā*
R625*x*714 Gangārāma *Gaṅgārāma Jhaṭīya*

R625x8 Annambhatta. Tarka-sangraha

R625*x*81 Annambhaṭṭa *Tarka-saṅgraha-dīpikā*

R625*x*811 Nīlakaṇṭha *Prakāśikā*
R625*x*8111 Lakṣmīnarasimha Śāstri *Bhāskarodaya*
R625*x*D87 Jayanta *Nyāyakalikā*
R625*x*H50 Nigamānta Mahādeśika *Nyāya-pariśuddhi*
R625*x*I50 Vācaspatimiśra *Khaṇḍanoddhāra*
R625*x*J40:1 Raghunātha *Padārtha-tattva-nirūpaṇa*
R625*x*J40:11 Raghudeva *Nyāyālaṅkāra*
R625*x*J40:2 Raghunātha *Padārthamālā*
R625*x*J50 Jāṇakīnātha Bhaṭṭācārya *Nyāyasiddhāntamañjarī*
R625*x*J502 Yādavācārya *Nyāya-mañjrī-sāra*
R625*x*K50 Jayarāma Bhaṭṭācārya *Nyāyasiddhāntamālā*
R625*x*M10 Rādhāmohan Bhaṭṭācārya *Nyāyasūtra vivaraṇa*
R625*x*M30 Rākhāldās *Tattvasāra*
R625024013*x*1 Gokulanātha *Padavākya-ratnākara*
R625024013*x*2 Giridhara *Vibhaktyartha-nirṇaya*
R625024013*x*3 Jagadīśa *Śabda-śakti-prakāśa*
R625024013*x*4 Gadādhara Bhaṭṭācārya *Vyutpattivāda*
R625024013*x*41 Kṛṣṇa Bhaṭṭa *Vyutpattivāda-vyākhyā*
R625024013*x*42 Bacca Śarmā *Vyutpattivāda-vyākhyā*
R625024013*x*43 Sudarśanācārya *Vyutpattivāda-vyākhyā*
K625024013*x*5 Gadādhara Bhaṭṭācārya *Śaktivāda*

R631 SANKHYA

R631x1 **Tattva samasa**
R631x2 **Isvarakrsna. Sankhyakarika**
R631*x*21 Māṭhara *Māṭharavṛtti*
R631*x*22 Gauḍapāda *Sāṅkhya-kārikā-bhāṣya*
R631*x*23 Vācaspatimiśra *Sāṅkhya-tattva-kaumudī*
R631*x*238 Vaṁśīdharamiśra *Sāṅkhya-tattva-kaumudī-vibhākara*
R631*x*24 Śaṅkarārya *Jayamaṅgala*
R631*x*25 Nārāyaṇatīrtha *Candrikā*
R631*x*28 *Yuktidīpikā*
R631x3 **Kapila. Sankhya-sutra**
R631*x*31 Aniruddha *Sāṅkhya-sūtravṛtti*
R631*x*32 Vijñānabhikṣu *Sāṅkhya-pravacana-bhāṣya*
R631*x*33 Mahādeva *Sāṅkhya-sūtravṛtti*

R635 YOGA

R635x1	**Patanjali. Yogasutra**
R635*x*11	Vyāsa *Bhāṣya*
R635*x*111	Vācaspatimiśra *Pātañjala-sūtrabhāṣya-vyākhyā* or *Tattva vaiśāradi*
R635*x*12	Vijñānabhikṣu *Yoga-vārttika*
R635*x*13	Rāghavānanda Sarasvatī *Pātañjala-bhāṣya*
R635*x*14	Hariharānanda Āraṇya *Bhāsvatī*
R635*x*1L00	Nāgeśa Bhaṭṭa *Pātañjala-sūtra-vṛtti*
R635*x*1L50	Sadāśivendra Sarasvati *Yoga-sūtra-vṛtti* or *Yoga-sudhākara*
R635*x*1M10	Rāmānandayati *Maṇiprabhā*
R635*x*1M20	Nārāyaṇatīrtha *Yoga-siddhānta-candrikā*
R635*x*1M21	*Sūtrārthabodhinī*
R635*x*1M30	Ananta Paṇḍita *Pātañjala-darśana*
R635*x*1M40	*Bhāva Gaṇeśīya*
R635*x*2	Bhojadeva *Rājamārtāṇḍa*
R635*x*3	Vijñānabhikṣu *Yoga-sāra-saṅgraha* or *Jñāna pradīpa*

R64 PURVA MIMAMSA

R64*x*1	Jaiminī *Mīmāmsā-sūtra*
R64*x*11	Śabara *Śābara-bhāṣya*
R64*x*111	Maṇḍana *Mīmāmsānukramaṇikā*
R64*x*L40	Satyagñānanda *Vedaprakāśā*

R641 BHATTA MIMAMSA

R641x1	**Kumarila Bhatta. Sloka-varttika**
R641*x*11	Umbeka or Umveka and Jayamiśra *Śloka-vārttika-vyākhyā*
R641*x*12	Sucaritamiśra *Kāśikā*
R641*x*13	Pārthasārathimiśra *Nyāyaratnākara*
R641x2	**Kumarila Bhatta. Tantra-varttika**
R641*x*21	Bhaṭṭa Someśvara *Nyāya-sudhā* or *Raṇakam*
R641x3	**Kumarila Bhatta. Tuptika**
R641*x*31	Pārthasārathimiśra *Tantra-ratna*
R641*x*4	Maṇḍanamiśra *Vidhi-viveka*

R641*x*41 Vācaspati *Nyāya-kaṇikā*
R641*x*5 Maṇḍanamiśra *Bhāvanā-viveka*
R641*x*51 Umbeka or Umveka *Bhāvanā-viveka-vyākhyā*
R641*x*6 Pārthasārathimiśra *Nyāya-ratnamālā*
R641*x*61 Rāmānujācārya *Nāyakaratna*
R641*x*7 Pārthasārathimiśra *Śārtra-dīpikā*
R641*x*71 Rāmakṛṣṇamiśra *Yuktisneha-prapūraṇi*
R641*x*711 Rāmakṛṣṇamiśra *Gūḍhārtha-vivaraṇa*
R641*x*72 Somanātha *Mayūkhamālikā*
R641*x*8 Mādhavācārya *Jaiminīa-nyāyamālā* or *Mimāmsādhikaraṇa-nyāyamālā*
R641*x*81 Mādhavācārya *Nyāyamālā-vistara*
R641*x*9 Khaṇḍadeva *Bhāṭṭadīpikā*
R641*x*91 Śambhu Bhaṭṭa *Prabhāvalī*
R641*x*9L80 Vāncheśwara Yajvan *Bhāṭṭacintāmaṇi*
R641*x*J50:1 Appayadīksita *Vidhirasāyana*
R641*x*J50:2 Appayadīkṣita *Citrapāṭha*
R641*x*J90 Nārāyaṇa Bhaṭṭa and Nārāyaṇa Paṇdita *Mānameyodaya*
R641*x*K20 Bhaṭṭa Śaṅkara *Mīmāmsā-bāla-prakāśa*
R641*x*K30 Āpadeva *Mīmāmsā-nyāya-prakāśa* or *Āpadevī*
R641*x*K301 Anantadeva *Bhāṭṭālaṅkārā*
R641*x*K302 Cinnaswāmi Śāstri *Mīmāmṣā-nyāya-prākāśa-vyākhyā*
R641*x*K40 Gāgā Bhaṭṭa *Bhāṭṭa-cintāmaṇi*
R641*x*K501 Khaṇḍadeva *Mimāmsā-kaustubha*
R641*x*K502 Khaṇḍadeva *Bhāṭṭarahasya*
R641*x*K60 Laughākṣi Bhāskara *Artha-saṅgraha*
R641*x*K70 Rāmakṛṣṇa Bhaṭṭācārya *Adhikaraṇa-kaumudī*
R641*x*K90 Vaidyanātha Bhaṭṭa *Nyāya-bindu*
R641*x*K95 Bhāskara Bhaṭṭa *Bhāṭṭa candrikā* (a Comm. on Saṅkarṣa kāṇḍa of *Mīmāmsā sūtra*)
R641*x*L00 Kṛṣṇa Yajvan *Mīmāmṣā-paribhāṣā*
R641*x*L10 Nārāyaṇatīrtha *Bhāṭṭa-bhāṣā-prakāśa*
R641*x*L30 Vāsudevadīkṣita *Adhvara-mīmāmsā-kutūhala-vṛtti*
R641*x*M50 Rāmeśwarasūri *Commentary*
R641024*x*1 Vācaspatimiśra *Tattva-bindu*

R645 PRABHAKARA MIMAMSA OR GURUMATA

R645*x*1 Prabhākara *Bṛhatī*
R645*x*11 Śālikanātha *Ṛjuvimala*
R645*x*5 Śālikanātha *Prakaraṇa-pañcikā*
R645*x*6 Bhavanātha *Naya-viveka*
R645*x*K50 Nandiśvara *Prabhākara-vijaya*
R645*x*L00 Rāmānujācārya *Tantra-rahasya*

R65 VEDANTA

R65*x*K08 Rāmadāsa *Dāsabodha*

R66 ADVAITA

R66x1 **Sankaracarya. Upadesasahasri**

R66x2 **Mandanamisra. Brahmasiddhi**
R66*x*21 Vācaspatimiśra *Brahmatattva-samīkṣā*
R66*x*22 Śaṅkhapāṇi *Samīkṣā-phakkikā*
R66*x*23 Citsukha *Brahma-siddhi-vyākhyā*
R66*x*24 Ānandapūrṇa *Brahmasiddhi-vyākhyā*

R66x3 **Suresvaracarya. Naiskarmyasiddhi**
R66*x*31 Ānandānubhava *Naiṣkarmyasiddhi-vyākhyā*
R66*x*32 Jñānottamamiśra *Candrikā*
R66*x*33 Citsukhācārya *Comm. on Naiṣkarmyasiddhi*
R66*x*34 Jayakṛṣṇabrahmatīrtha *Comm. on Naiṣkarmya-siddhi*

R66x4 **Vimuktaman. Istasiddhi**
R66*x*41 Jñānottama *Vivaraṇa*
R66*x*42 Ānandānubhava *Commentary*

R66x5 **Sarvajnatman. Samksepa-sariraka**
R66*x*51 Rāmatīrtha *Anvayārthaprakāśikā*
R66*x*52 Puruṣottamamiśra or Puruṣottamadīkṣita *Śubodhinī*
R66*x*53 Nṛsimhāśrama *Tattvabodhinī*
R66*x*54 Rāghavānanda Sarasvati *Vidyānanda-varṣiṇī*
R66*x*55 Madhusūdana Sarasvati *Commentary*

R66x6 **Anandabodha. Advaita-makaranda or Nyaya-makaranda**
R66*x*61 Citsukhācārya *Comm. on Advaita-makaranda*

R66x7	**Sriharsa. Kandana-khanda-khadya or Anirvacaniyata-sarvasva**
R66*x*71	Citsukhācārya *Commentary*
R66*x*72	Varadarāja *Commentary*
R66*x*73	Śaṅkaramiśra *Commentary*
R66*x*74	Ānandapūṛṇa *Khaṇḍanaphakkikā-vibhajana* or *Vidyāsāgarī*
R66*x*75	Raghunātha *Commentary*
R66x8	**Citsukhacarya. Advaita-pradipa or Citsukhi**
R66*x*81	Pratyagrūpa Bhagavān *Nayanaprasādinī*
R66x9	**Madhusudana Sarasvati. Advaita-siddhi**
R66*x*91	Brahmānanda Sarasvati *Laghucandrikā*
R66*x*911	Viṭṭhaleśopādhyāya *Comm. on Laghucandrikā*
R66*x*92	Brahmānanda Sarasvati *Gurucandṛikā*
R66*x*93	Balabhadra *Advaita-siddhi-vyākhyā*
R66*x*94	Sadānanda Vyāsa *Advaita-siddhi-saṅgraha*

Other Classics by the Chronological Device (Illustrative)

R66*x*D68:11	Śaṅkara *Vivekacūḍāmaṇi*
R66*x*D68:12	Śaṅkara *Aparokṣānubhūti*
R66*x*D68:13	Śaṅkara *Daśaślokī*
R66*x*D68:131	Madhusūdana Sarasvati *Siddhānta bindu*
R66*x*D68:14	Śaṇkara *Pañcīkaraṇa*
R66*x*D68:15	Śaṅkara *Dakṣiṇāmūrti stotra*
R66*x*D68:18	Śaṅkara *Vākysudhā*
R66*x*D70:1	Totakācārya *Śrutisāra samuddharaṇa*
R66*x*D95	Prakāśātman *Śābdanirṇaya*
R66*x*D951	Ānandabodha *Comm. on Śābdanirṇaya*
R66*x*F50:1	Ānandabodha *Pramāṇamālā*
R66*x*F50:11	*Pramāṇamālāvyākhyā*
R66*x*F50:2	Ānandabodha *Nyāya-dīpāvali*
R66*x*F50:21	Citsukhācārya *Comm. on Nyāya-dīpāvali*
R66*x*G70	Sukhaprakāśa *Commentary*
R66*x*G80	Ānandagiri *Tarkāsangraha*
R66*x*H10	Bhāratītīrtha *Vaiyāsika-nyāyamālā*
R66*x*H101	Vidyāraṇya *Vaiyāsika-nyāyamālā-vistara*

R66*x*H50:1 Vidyāraṇya *Pañcadaśī*
R66*x*H50:2 Vidyāraṇya *Jīvanmuktiviveka*
R66*x*H50:3 Vidyāraṇya *Vivaraṇa-prameya-saṃgraha*
R66*x*I50 Lakṣmīdhara *Advaita makaranda*
R66*x*I501 Svayamprakāśānanda *Commentary*
R66*x*I90 Śaṅkara Miśra *Bhedaratnam*
R66*x*J10 Raṅgarājādhvarin *Advaitamukura*
R66*x*J25:1 Sadānanda *Vedāntasāra*
R66*x*J25:11 Āpadeva *Bālabodhinī*
R66*x*J25:13 Rāmatīrtha *Vidvanmanorañjanī*
R66*x*J40:1 Narasimhāśrama *Advaita-dīpikā*
R66*x*J40:2 Narasimhāśrama *Bhedadhikkāra*
R66*x*J40:3 Narasimhāśrama *Nṛsimha vijñāpana*
R66*x*J40:4 Narasimhāśrama *Vedānta tattva viveka*

R66*x*J50:1 Appayadīkṣita *Śārīraka-nyāya-rakṣāmaṇi*
R66*x*J50:2 Appayadīkṣita *Siddhānta-leśa-saṅgraha*
R66*x*J50:21 Acyutakṛṣṇānanda *Siddhānta-leśa-saṅgraha-vyākhyā*

R66*x*J50:3 Appayadīkṣita *Vādanakṣatramālā* or *Nakṣatra-vādāvali*
R66*x*J80 Kāśmīraka Sadānanda Yogi *Advaita-brahmasiddhi*
R66*x*J85 Dharmarāja Dīkṣita *Vedānta paribhāṣā*

R66*x*K00:1 Madhusūdana Sarasvati *Advaitaratnarakṣaṇa*
R66*x*K00:2 Madhusūdana Sarasvati *Prasthānabheda*
R66*x*K00:3 Madhusūdana Sarasvati *Vedānta Kalpalatikā*
R66*x*K00:4 Madhusūdana Sarasvati *Īśvara pratipatti prakāśa*
R66*x*K50 Raṅgojibhaṭṭa *Advaita-cintāmaṇi*
R66*x*K60:1 Anantadeva *Siddhānta tattva* or *Vedānta prakaraṇa*

R66*x*K70 Kṛṣṇānanda Sarasvati *Siddhānta-siddhāñjana*
R66*x*K701 Bhāskaradīkṣita *Ratnatulikā*

R66*x*K85 Gaṅgādharendra Sarasvati *Vedānta siddhāntasūkti mañjarī*
R66*x*K90 *Svārājya siddhi*
R66*x*L20 Brahmānanda Sarasvati *Advaita siddānta vidyotana*

R66*x*L40 Tāṇḍavar *Kaivalyanavanītam*
R66*x*L404 Govindar *Tātparya dīpikā*

R66*x*L50:1 Śadāśivendra Sarasvati *Siddhāntakalpavallī*

R66*x*M00 Ayyaṇṇādīkṣita *Vyāsa-tātparya-nirṇaya*
R66*x*M10 Narahari *Bodhasāra*
R66*x*M40 Cidambarasvami *Advaitasāstirattiraṭṭu*

R66:5x1 Sankara. Brahmasutra-bhasya
R66:5*x*11 Padmapāda *Pañcapādikā*
R66:5*x*111 Prakāśātman *Pañcapādikā-vivaraṇa*
R66:5*x*1111 Akhaṇḍānandamuni *Tattvadīpana*
R66:5*x*1112 Citsukha *Vivaraṇa-tātparya-dīpikā*
R66:5*x*1113 Nṛsiṃhāśramamuni *Bhāvaprakāśikā*
R66:5*x*1115 Rāmānanda Sarasvati *Vivaraṇopanyāsa*
R66:5*x*112 Amalānanda *Pañcapādikā-darpaṇa*
R66:5*x*113 Ānandapūrṇayati *Pañcapādika-ṭīkā*
R66:5*x*12 Vacaspatimiśra *Bhāmatī*
R66:5*x*121 Amalānanda *Kalpataru*
R66:5*x*1211 Appayadīkṣita *Parimala*
R66:5*x*1212 Lakṣmīnṛsiṃha *Ābhoga*
R66:5*x*13 *Prakaṭārtha-vivaraṇa*
R66:5*x*14 Citsukha *Bhāṣya-bhāva-prakāśa*
R66:5*x*15 Ānandagiri *Sārīrakabhāṣya-vyākhyā* or *Nyāya nirṇaya*
R66:5*x*16 Rāmānanda Sarasvati or Govindānanda Sarasvati *Bhāṣya-ratna-prabhā*

R66:5*x*161 Acyutakṛṣṇānanda *Ratnaprabhā-vyākhyā*
R66:5*x*17 Kṛṣṇānandayati or Advaitānanda *Brahmavidyā-bharaṇa*

R66:5*x*2 Vijñānabhīkṣu *Vijñānāmṛta*
R66:5*x*3 Rāmānanda Sarasvati *Brahmāmṛta-varṣiṇī*
R66:5*x*4 Haridīkṣita *Brahma-sūtra-vṛtti*
R66:5*x*5 Brahmānandā Sarasvati *Vedāntasūtramuktāvali*
R66:5*x*6 Sadāśivendra Sarasvati *Brahma-sūtra-vṛtti*
R66:5*x*J50 Appayadīkṣita *Nyāyarakṣāmaṇi*
R66:5*x*M50 Raghunātha Sūri *Saṅkarapādabhūṣana*

R66:6x1 Śaṅkara *Gītābhāṣya*
R66:6x11 Ānandagiri *Vivecana*
R66:6x12 Dhanapati *Bhāṣyotkarṣa-dīpikā*

R66:6x2 Madhusūdana Sarasvati *Gūḍhārtha dīpikā*
R66:6x6 Vedantadeśika *Brahmānandagiri*
R66:6x7 Hanumān *Paiśāca bhāṣya*

R66:6xG90 Jñāneśvara *Jñāneśvarī*
R66:6xI20 Bhaṭṭar *Bhagavadgītai*
R66:6xI201 Bhaṭṭar *Gūḍārtha dīpikai*
R66:6xI208 Vaḍivelu Chettiār *Gītai vacanam*

R66:8x1 Śaṅkara *Viṣṇusahasranāma bhāṣya (alternative)*
R66:8x2 Śaṅkara *Sanatsūjātīya bhāṣya*

R663 Pratyabhijna (Kasmirian)

R663x1 Somananda. Sivadrsti
R663x11 Somānanda *Vṛtti*
R663x13 Abhinavagupta *Sulocana*

R663x2 Utpala. Pratyabhijna sutra
R663x21 Utpala *Vṛtti*
R663x211 Utpala *Tīkā (Vivṛti)*
R663x22 Abhinavagupta *Pratyabhijñā vimarśinī (Laghu vṛtti)*
R663x23 Abhinavagupta *Pratyabhijñā vivṛti vimarśinī (Bṛhadvṛtti)*

R663x24 Bhāskara *Śivasūtra vārttika*
R663x25 Kṣemarāja *Pratyabhijñā hṛdaya*

R663x3:1 Abhinavagupta. Tantraloka
R663x3:11 Jayaratha *Commentary*
R663x3:2 Abhinavagupta *Tantrasāra*
R663x3:3 Abhinavagupta *Paramārthasāra*
R663x3:31 Yogarāja *Commentary*

R6634 Virasaiva advaita

R6634:5x1 Śrīpatipaṇḍitācārya *Śrīkara bhāṣya*

R672 VISISTADVAITA (VAISNAVA)

R672*x*1 Yāmuna *Siddhitraya*
R672*x*2 Rāmānuja *Vedāntasāra*
R672*x*3 Nāthamuni *Nyāyatattva*
R672*x*4 Parāśara Bhaṭṭa *Tattvaratnākara*
R672*x*5 Rāmamiśra *Vivaraṇa*

Other Classics by the Chronological Device (Illustrative)

R672*x*E20:1 Rāmānuja *Vedantadīpa*
R672*x*E20:2 Rāmānuja *Vedārthāsāṇgraha*
R672*x*E20:21 Sudarśana *Tātparya-dīpikā*
R672*x*E20:211 Rāma Miśra *Snehapūrti*

R672*x*G68:1 Vedāntadeśika or Venkaṭanātha *Adhikaraṇa sārāvali*

R672*x*G68:11 Varadanātha or Kumāravaradācārya *Adhikaraṇacintāmaṇi*

R672*x*G68:2 Vedāntadeśika *Tattvamuktākalāpa*
R672*x*G68:21 *Tattvamuktākalāpa-vyākhyā*
R672*x*G68:3 Vedāntadeśika *Nyāyapariśuddhi*
R672*x*G68:31 Śaṭhakopayati *Commentary*
R672*x*G68:32 Śrīnivāsadāsa *Nyāyasāra*
R672*x*G68:4 Vedāntadeśika *Nyāyasiddhāñjana*
R672*x*G68:41 Raṅgarāmānuja *Nyāyasiddhāñjana vyākhyā*
R672*x*G68:5 Vedāntadeśika *Vāditrayakhaṇḍana*
R672*x*G68:6 Vedāntadeśika *Śatadūṣaṇi*
R672*x*G68:61 Rāmānujadāsa or Mahācārya *Caṇḍamāruta*
R672*x*G68:62 Nṛsimharāja *Śatadūṣaṇi-vyākhyā*
R672*x*G68:63 Śrīnivāsa *Sahasrakiraṇī*
R672*x*G80:1 Pillai Lokācārya *Tattvatrayam*
R672*x*G80:2 Pillai Lokācārya *Tattvaśekhara*
R672*x*G90:1 Jnāneśvara Amṛtānubhava
R672*x*K20:1 Venkaṭācārya *Śiddhāntaratnāvali*
R672*x*K50 Śaṭhamarṣa Srīnivāsatātācārya *Ānanda-tāratamya khaṇḍanam*
R672*x*K80:1 Śrīnivāsa *Aruṇādhikaraṇa-saraṇa-vivaraṇi*
R672*x*K80:2 Śrīnivāsa *Oṇkāravādārtha*
R672*x*K80:3 Śrīnivāsa *Jigñāsādarpaṇa*

R672*x*K80:4 Śrīnivāsa *Jñānaratna-prakāśikā*
R672*x*K80:5 Śrīnivāsa *Natvadarpaṇa*
R672*x*K80:6 Śrīnivāsa *Tattvamārtāṇḍa*
R672*x*K80:7 Śrīnivāsa *Pranavadarpaṇa*
R672*x*K80:81 Śrīnivāsa *Virodhanirodha*
R672*x*K80:82 Śrīnivāsa *Yatīndramata-dipikā*

R672*x*K90:1 Mahācārya or Rāmānujadāsa *Pārāśaryavijayā*
R672*x*K90:2 Mahācārya *Vedāntavijaya*
R672*x*K90:3 Mahācārya *Advaitavidyāvijaya*
R672*x*K90:4 Mahācārya *Sadvidyāvijaya*

R672*x*K95 Bucci Venkaṭācārya *Vedāntakārikāvali*
R672*x*L20 Paravastu Vedāntācārya *Vedāntakaustubha*
R672*x*L25 Nṛsimhadeva *Ānandavallarī*
R672*x*L40 Raṅgarāmānuja *Parapakṣanirākṛta*
R672*x*L50 Śaṭhakopamuni *Brahmalakṣaṇa vākyārtha*

R672*x*M20:1 Anantācārya *Śārīravāda*
R672*x*M20:2 Anantācārya *Samvidekatvānumāna-nirāsa-vādārtha*

R672*x*M20:3 Anantācārya *Samāsavāda*
R672*x*M20:4 Anantācārya *Brahmapadaśaktivāda*

R672*x*M56 Ānandāzhvār *Vedānta vādāvali*

R672:5x2 Ramanuja Sribhasya
R672:5*x*21 Sudarśana *Śrībhāṣya-vyākhyā, Śrutaprakāśa*
R672:5*x*211 Varadaviṣṇu *Śrutaprkāśa-vyākhyā, Bhāva-prakāśikā*

R672:5*x*212 Lakṣmaṇa *Gurubhāvaprakāśa*
R672:5*x*22 Sudarśana *Śrutapradīpikā*
R672:5*x*23 Vedāntadeśika *Tattvaṭīkā*
R672:5*x*24 Sundararāja *Commentary*
R672:5*x*25 *Nyāyaprakāśikā*
R672:5*x*26 Raṅgarāmānuja *Mūlabhāvaprakāśikā*

R672:5*x*3 Raṅgarāmānuja *Śārīraka śāstrārtha dipikā*
R672:5*x*J50 Appayya Dīkṣita *Nayamayūkha mālikā*

R672:6*x*1 Yāmuna *Gītārthasaṅgraha*
R672:6*x*11 Vedāntadeśika *Gītārthasaṅgraha-rakṣā*

R672:6x2 Rāmānuja *Bhagavadgītā bhāṣya*
R672:6x21 Vedāntadeśika *Tātparyacandrikā*

R673 SAIVA SIDDHANTAM

R673x1 Uyyavandadevar I *Tiruvundiyār*
R673x11 Uyyavandadevar II *Tirukkalirruppādiyar*

R673x2 Meykandadevar. Sivajnana bodham
R673x21 Aruṇandi Sivācārya *Śivajñāna siddhi*
R673x26 Umāpati Sivācārya *Śivaprakāśa*
R673x27:1 Śivajnāna Yogi *Drāviḍa Mahā bhāṣya*
R673x27:2 Śivajnāna Yogi *Laghu ṭīkā*

R673x3 Aruṇandi Śivācārya *Irupā irupadu*
R673x4 Manavācakam Kaḍandān *Uṇmai vilakkam*
R673x5 Marai Jnānasambandar *Śivasamaya neri*

R673x6:1 Umāpati Śivācārya *Tiruvaruṭpayan*
R673x6:2 Umāpati Śivācārya *Vinā veṇbā*
R673x6:3 Umāpati Śivācārya *Poṛṛipahroḍai*
R673x6:4 Umāpati Śivācārya *Kodikkavai*
R673x6:5 Umāpati Śivācārya *Nenjuviḍu tūdu*
R673x6:6 Umāpati Śivācārya *Uṇmai neri vilakkam*
R673x6:7 Umāpati Śivācārya *Sankalpa nirākaraṇam*

R673x7 Kaṇṇuḍaya Vaḷḷal *Ozhivil oḍukkam*
R673x8 Śambudeva *Śaiva siddānta dīpikā*
R673x91 Śivajnāna Yogi *Tattuvaprakāśa*
R673x911 Śivajnāna Yogi *Tattuvakkṭṭalai*

R673:5x1 Srikantha Sivacarya. Brahmasutrabhasya
R673:5x11 Appayadīkṣita *Śivārkamaṇidīpikā*
R673:5x12 Nīlakaṇṭha *Kriyāsāra*

R68 DVAITA

R68x1 Ānandatīrtha or Madhvācārya *Tattvasaṅkhyāna*
R68x11 Jayatīrtha *Tattvasaṅkhyāna-vivaraṇa*
R68x2 Ānandatīrtha *Aṇubhāṣya*
R68x3 Jayatīrtha *Vādāvali*
R68xF99 Ānandatīrtha *Sarvamūla*
R68xI20 Calari Seṣācārya *Pramāṇa candrikā*

R68*x*I67:1 Vyāsatīrtha *Nyāyāmṛta*
R68*x*I67:11 Srīnivāsa *Nyāyāmṛta prakāśa*
R68*x*I67:12 Rāmācārya *Nyāyāmṛta taraṅgiṇi*
R68*x*I67:2 Vyāsatīrtha *Bhedojjīvana*
R68*x*I67:21 Śrīnivāsa *Śarkara*
R68*x*I67:3 Vyāsatirtha *Tarkatāṇḍava*
R68*x*J20 Vanamālī Miśra *Mādhvamukhālaṅkāra*
R68*x*K30 Viśvanātha Pancānana Bhaṭṭacārya *Bhedasiddhi*
R68*x*L50 Veṇīdattācārya *Bheda jayaśrī*

R68:5x1 Anandatirtha. Brahmasutrabhasya
R68:5*x*11 Jayatīrtha *Tattvaprakāśikā*
R68:5*x*111 Vyāsatīrtha *Tātparya-candrikā*
R68:5*x*1111 Rāghavendratīrtha *Tātparyacandrikā-prakāśa*
R68:5*x*112 Rāghavendratirtha *Tattvaprakāśikābhāva*

R68:5x2 Anandatirtha. Brahmasutranuvyakhyana
R68:5*x*21 Jayatīrtha *Nyāyasudhā*
R68:5*x*211 Rāghavendratīrtha *Nyāyasudhā parimala*
R68:5*x*212 Keśava *Śeṣavākyārtha candrikā*
R68:5*x*214 Yadupadācārya *Yādupadīya*
R68:5*x*218 Śrinivāsa *Nyāyasudhā ṭippaṇi*

R68:6*x*1 Ānandatīrtha *Bhagvadgitā bhāṣya*
R68:6*x*3 Rāghavendra *Vivṛti*

R68:7*x*1 Ānandatīrtha *Bhāgavata-tātparya nirṇaya*
R68:7*x*K20 Vāmana *Śrutikalpalatā*
R68:8*x*1 Ānandatīrtha *Mahābhārata tātparya-nirṇaya*

R6891 BHEDABHEDA

R6891:5*x*1 Bhāskarācārya *Brahmasūtrabhāṣya*
R6891:5*x*2 Baladeva *Vedānta sūtra bhāṣhya or Govinda-bhāṣya*

R6892 DVAITADVAITA

R6892*x*1 Nimbārka *Daśaślokī* or *Vedāntasiddhāntasāra*
R6892*x*11 Bhagavatpuruṣoltamācārya *Vedāntaratnamañjūṣā*
R6892*x*2 Anantarāma *Vedānta tattva bodha*

R6892:5x1 Nimbarka. Vedanta-parijata saurabha.
R6892:5*x*11 Śrīnivāsācārya *Vedānta kaustubha*

R6892:5x2 Devācārya *Siddhānta jāhnāvī*
R6892:5x21 Sundara Bhaṭṭa *Dvaitādvaitasiddhāntasetukā*
R6892:6x3 Keśavakāśmīrin *Tattvaprakāśikā*

R6893 SUDDHADVAITA

R6893x1 Vallabhācārya *Tattvārthadīpikā*
R6893x111 *Vidyāvaijayanti*

R6893:5x1 **Vallabhacarya. Anubhasya**
R6893:5x11 Gosvāmi Srī-Puruṣottamjee *Bhāṣya-prakāśā*
R6893:5x12 *Bālabodhinī*
R6893:5x14 Goswāmi Sri-Puruṣottamjee *Vedāntādhikārāṇā mālā*
R6893:5x18 Vrajanātha Bhaṭṭa *Marīcikā*
R6893:7x1 Vallabhācārya *Bhāgāvātā-ṭīkā, Subodhinī*

R693 JAIN PHILOSOPHY

Classics

R693x1 **Umasvati. Tattvarthadhigama sutra**
R693x11 Siddhasena Gaṇi *Tattvārtha ṭīkā*
R693x12 Sāmantabhadra *Gandhahastimahābhāṣya*
R693x13 Pūjyapāda *Sarvārthasiddhi*
R693x14 Akalaṅka *Tattvārthaṭīkāvyākhyālaṅkāra*
R693x15 *Rājavārttika*
R693x16 Vidyānanda *Ślokavārttika*
R693x17 Śrivarddhadeva *Cūḍāmaṇi*

R693x2:1 Kundakunda *Ṣaḍprābhṛta*
R693x2:11 Śrutasāgara *Commentary*
R693x2:2 Kundakunda *Samayasāraprābhṛta*
R693x2:21 Amṛtacandra *Commentary*
R693x2:3 Kundakunda *Aṣṭaprābhṛta*
R693x2:4 Kundakunda *Pancāstikāya* (*Pancatthiyasāra*)
R693x2:41 Amṛtacandra *Commentary*
R693x2:5 Kundakunda *Prābhṛtasāra*
R693x2:6 Kundakunda *Pravacanasāra*
R693x2:61 Amṛtacandra *Commentary*
R693x2:7 Kundakunda *Niyamasāra*
R693x2:81 Kundakunda *Pavolinī*
R693x2:82 Kundakunda *Rayaṇasāra*

R693*x*7 Mallişeṇa *Syādvādamanjarī*
R693*x*D90:1 Amṛtacandra *Tattvārthasāra*
R693*x*D90:2 Amṛtacandra *Puruṣārthasiddhyupāya*
R693*x*D90:1 Nemicandra *Dravyasaṅgraha*
R693*x*D98:2 Nemicandra *Trilokasāra*
R693*x*D98:3 Nemicandra *Gommaṭasāra*
R693*x*D98:4 Nemicandra *Labdhisāra*

R694 BUDDHISTIC PHILOSOPHY

General.

R694*kx*1 Kenjiu kasawara: *Dharmasaṅgraha*
R694*x*8 Advayavajra: *Advayavajrasaṅgraha*

R6941 HINAYANA

R6941*x*3:1 Vasubandhu: *Abhidharmakośa*
R6941*x*3:11 Yaśomitra: *Sphuṭārtha Abhidharmakośavyākhyā*
R6941*x*3:2 Vasubandhu: *Gāthā-samgraha*
R6941*x*3:3 Vasubandhu: *Paramārtha-saptati*
R6941*x*4:1 Anuruddha: *Abhidhammatthasaṅgaha*
R6941*x*4:2 Anuruddha: *Nāmarūpapariccheda*

R6945 MAHAYANA

R6945*x*1 *Prajñaptimata*
R6945*x*2 *Buddhāvatamśaka* including *Gaṇḍavyūha*
R6945*x*3 *Daśabhumika*
R6945*x*4 *Ratnakūṭa*
R6945*x*4:63 *Kāśyapa-parivartta*
R6945*x*5 *Samādhirāja* or *Candrapradīpasūtra*
R6945*x*6 *Suvarṇaprabhāsa*
R6945*x*7 Aśvaghoṣa *Śrāddhotpādaśāstra* (*Awakening of faith*)

R6946 YOGACARA

R6946*x*1:1 Maitreyanātha: *Abhisamayālankāra-Kārikā* or *Prajñā-pāramitopadeśa-śāstra*
R6946*x*1:2 Maitreyanātha: *Yogācāra Bhūmi-śāstra* or *Sapta daśa-Bhumi-śāstra* including *Bodhisattva-bhūmi*
R6946*x*1:3 Maitreyanātha: *Mahāyāna-sūtrālaṅkāra*
R6946*x*2:1 Asanga: *Mahāyāna-samparigraha*

R6946*x*2:2 Asanga: *Prakaraṇa-āryavācā*
R6946*x*2:3 Asanga: *Mahāyānābhidharmasaṃgīti-śāstra*
R6946*x*3:1 Vasubandu: *Vimśaṭīkā*
R6946*x*3:2 Vasubandu: *Trimśaṭīka*
R6946*x*4:1 Śāntarakṣita: *Tattva sāṅgraha*
R6946*x*4:11 Kamalaśīla: *Pañcikā*
R6946*x*5 *Lankāvatāra Sūtra*

R6947 MADHYAMIKAS

R6947*x*1:1 Nāgārjuna: *Mādhyamika sūtras*
R6947*x*1:11 Nāgārjuna: *Akutobhaya*
R6947*x*1:12 Buddhapālita: *Mūlamādhyamikavṛtti*
R6947*x*1:13 Bhāvaviveka: *Prajñāpradīpa*
R6947*x*1:17 Candrakirti: *Prasannapadā*
R6947*x*1:2 Nāgārjuna: *Yuktiṣaṣṭikā*
R6947*x*1:3 Nāgārjuna: *Śūnyatāsaptati*
R6947*x*1:4 Nāgārjuna: *Pratītya-samutpādahṛdaya*
R6947*x*1:5 Nāgārjuna: *Mahāyanavimśaka*
R6947*x*1:6 *Prajñāpāramita-Sūtra-śastra*
R6947*x*1:7 *Daśabhūmi-Vibhāṣāśāstra*
R6947*x*1:8 *Ekaśloka Śāstra*

R6947*x*2:1 Āryadeva: *Catuhśataka*
R6947*x*2:17 Candrakīrti *Commentary*
R6947*x*2:2 Āryadeva: *Cittaviśuddhi-Prakaraṇa*
R6947*x*2:4 Aryadeva: *Hastavala-prakaraṇa* or *Muṣṭi-prakarāṇa*
R6947*x*2:5 Aryadeva: *Akṣaraśataka*

R6647*x*3 *Sthiramayī*
R6947*x*4:1 Diṅnāga: *Nyāyapreveśa*
R6947*x*4:2 Diṅnāga: *Pramāṇasamkhyā*

R6947*x*5 Dharmapāla

R6947*x*6:1 Dharmakīrti-*Nyāyabindu*
R6947*x*6:11 Dharmottari *Nyāyabinduṭīkā*
R6947*x*6:2 Dharmakīrti *Santānāntarasiddhi*
R6947*x*6:3 Dharmakīrti: *Vādanyāya*

R6947*x*7:1 Candrakīrti: *Mādhyamakāvatāra*

S PSYCHOLOGY

S [E]: [P]

S—[E]: [P]

Divisions based on the train of **Entity** *or* **E** *Characteristic*

1	**Child**
11	New born
12	Toddler
13	Infant
15	Pre-adolescent
2	**Adolescent**
21	Boys
25	Girls
3	**Post-adolescent**
35	Middle age
38	Old age
4	**Vocational**
5	**Sex**
51	Male
55	Female
58	Eunuch
6	**Abnormal**
61	Genius
62	Idiot
63	Insane
64	Sick and infirm
65	Criminal
67	Deaf and dumb
68	Blind
6916	Left handed
7	**Race**

To be divided by the **Geographical Device**

76	Negro
8	**Social**

To be subdivided as the group divisions of **Y1 Sociology**

9	**Animals (genetic)**

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1	**Nervous System**

(To be divided as the Organ Number 7 of schedule L)

2	**Sensation**
21	Static senses, equilibrium, position, *etc.*
22	Taste
23	Hearing
24	Smell
25	Sight
27	Touch
28	Cutaneous senses, pressure and joint senses
29	Other senses
291	Other organic senses

3	**Characters of consciousness**
31	Attention
311	Apperception
315	Selection
318	Abstraction
32	Association
34	Work, fatigue
35	Habit, accommodation, adaptation, complacency
38	Time relations of consciousness, mental chronometry
4	**Cognition, conception**
41	Conception of idea
42	Conception of time, space and motion
43	Memory, imagination, remembering, forgetting
44	Reasoning, thinking, judgment, belief
45	Reflection, self-consciousness
46	Normal illusions, normal suggestions
47	Opinion
5	**Feeling, emotion, affection**
51	Pleasantness, unpleasantness
52	Emotions
521	Laughter
523	Joy
524	Anger
526	Fear
53	Affection, hatred
55	Love
56	Anxiety
57	Sentiments, interest
6	**Conation and movement**
61	Dynamogenesis, inhibition
62	Instinct, impulse (imitation and play)
63	Reflexation
64	Conscience
65	Volition and effort
68	Special motor functions
682	Speech and song
6821	Soliloquy
6822	Dialogue
6823	Debate
6825	Public speech
6828	Song
683	Walking
685	Seeing
686	Handwriting and drawing
7	**Personality, ego, character**
71	Vitality
72	Intelligence
73	Ability
7395	Transfer of ability
74	Character
743	Fairmindedness

75	Temperament
76	Intuition
77	Opinion
78	Psychic powers
791	Longevity
793	Endurance
794	Immunity
795	Acclimatization
796	Drug habit
8	**Metapsychology**
81	Sleep
811	Dreams
813	Hallucinations
815	Unconscious, subconscious
851	Hypnotism, mesmerism
852	Suggestion
86	Psycho-therapy (alternative)
9	**Applications**

Divisions based on the train of **Point of View** *or* **V** *Characteristic*

Applicable to **Problem Divisions '2' and '3'**

2	Anatomy
3	Physiology
31	Reflex functions
35	Automatic functions
4	Pathology
5	Psycho-physics
6	Psychometry
8	Measurement of sensation

Schools of Psychology by Chronological Device (*Illustrative*)

SM62	**Experimental**
SM95	**Psycho-analytic**
SN12	**Gestalt**
SN13	**Behaviouristic**
SN14	**Individualistic**
SN17	**Reflexology**
SN25	**Eidetic and typological**
SN36	**'We'**

T EDUCATION

T [E]: [P]

Divisions based on the train of Educand *or* E *Characteristic*

1	**Pre-secondary**
13	Pre-school child
15	Elementary
2	**Secondary**
25	Intermediate
3	**Adult**
31	Literate
35	Foreigner
38	Illiterate
4	**University**
42	Pass
43	Honours
45	Post-graduate
48	Research
5	**Sex**
51	Male
55	Female
6	**Abnormal**
61	Genius
62	Idiot
63	Insane
65	Criminal
67	Deaf and dumb
673	Stammerers
68	Blind
7	**Backward classes**
9	Other classes

To be divided by the Subject Device (illustrative)

9Y131	Rural community
9Y152	Aristocracy
9Y154	Military classes

Divisions based on the train of Problem *or* P *Characteristic*

1	**Nomenclature** *etc.*
2	**Schools of Education**

Divisions by the Chronological Device (illustrative)

2J92	Commenius, object teaching
2L12	Rousseau's school
2L24	Kant's school
2L50	Pestalozzi's school
2L62	Fichte's school
2L76	Herbart's school
2L82	Froebel's kindergarten
2L96	Mann's school
2M58	Manual training
2N00	Platoon school
2N12	Montessori school

2N15 Project method
2N20 Dalton plan

3 Teaching technique

(To be divided by the Subject Device with the following modification

In the case of Linguistics omit the stage number and instead of the language numbers put the following:

1 Mother Tongue
5 Foreign language
8 Classical language)

4 Organisation

41 Admission, fees, scholarship, term
411 Admission
412 Fees, scholarship
4125 Research fellowship
413 Term, holidays, attendance
414 Classes, Grades
415 Time-table
417 Residence
42 Library
43 Personnel, class room management
431 Administrative (Head master, principal, dean)
432 Assistants
435 Class room management
4356 Rewards, punishments
438 Supervising staff
44 Curriculum
441 Text books
445 Extra-curricular activities
4451 Books
4452 Library books
45 State, community and education
451 Board of Education
4515 Compulsory education
452 Community and education
4528 Parent associations
455 Employment and vocational guidance
457 Inspection
46 Finance

To be subdivided as 7 Public Finance of X Economics

467 Grants
47 Educational measurements
471 Intelligence tests

Subdivisions by the Chronological Device (illustrative)

471N05 Binet-Simon
471N19 Terman
471N23 Block-design tests
471N24 Form board and performance tests
471N26 Drawing tests
471N30 Brain tests
471N31 Merrill-Palmer tests
472 Achievement tests

475	Examination, marking
4751	Examination papers
477	Interview, *viva voce*
478	Diplomas, leaving certificates
48	Management
484	Consolidation
5	**School hygiene and physical education**
51	Hygiene of the child
54	Medical inspection
55	Games, physical training
6	**School building, furniture**
7	**Students' social life and organisation**
71	International students' organisation
76	Leisure
8	**Special topics**
81	Medium of instruction
83	Study methods
84	Co-operation and competition
85	Visual instruction
86	Radio and education
88	Correspondence courses
893	Debates

U GEOGRAPHY

U [P] : [G] : [C]

Divisions based on the train of Problem *or* P *Characteristic*

1 **Mathematical geography**
11 Cartography
111 Scale
112 Delineation of the ground
114 Measurement of distance
115 Map printing
117 Maps with a special purpose
12 Map projection
13 Relief map
14 Globe
16 Movement of earth. Seasons
161 Spring
162 Summer
163 Autumn
164 Winter
18 Topographical survey
181 Land survey
182 Latitude and longitude
1823 Longitude
1824 Latitude
185 Hydrographical survey

2 **Physical geography**
21 **Geomorphology**
25 **Oceanography**
251 Extension
252 Surface
253 Deep sea soundings and relief of the ocean floor
254 Oceanic deposits
255 Properties of the sea water
2552 Physical
2553 Chemical
256 Oceanic circulation
2562 Currents

28 **Meteorology**
281 Weather
282 Atmospheric pressure
283 Wind
2831 Velocity
2835 Storm
284 Temperature
285 Humidity
2853 Clouds
2855 Rainfall
2856 Dry condition
286 Other physical and chemical phenomena
2862 Physical

28627 Magnetic
2863 Chemical
287 Climate
288 Cosmic meteorology
2891 Weather forecasting

29 Other regions
294 Stratosphere
296 Ionosphere

3 Biogeography
33 Paleogeography
35 Floral
36 Faunal
37 Reaction of organism and environment

4 Anthropogeography
41 Race-distribution
42 Migration
421 Inland
425 Emigration
426 Immigration
45 Population
47 Reaction of man and environment (Human geography)

5 Political geography
54 Military geography

6 Economic geography
641 Trade routes
6415 Railways
6425 Oceanic routes
6435 Air routes

67 Resources (alternative to place in X Economics)
671 Natural
672 Industrial

8 Travels, expeditions, voyages

V HISTORY

V [G] : [P] : [C]

Divisions based on the train of Problem *or* P *Characteristic*

1 **Political and general**
12 Home policy
17 Colonial policy
18 Mandatory policy
19 Foreign policy

2 **Constitutional**
21 **Crown, president**
211 Consort
212 Heir
213 Other children

22 **Executive**
221 Prime minister

23 **Legislature**
231 First house
232 Second house
235 Members
236 Parliamentary committees
237 President
238 Administrative staff
2392 Referendum

24 **Political parties**
25 **Political rights and duties**
2511 Liberty of person
To be subdivided as the Law Number '11' *of* 'Z Law')
2512 Liberty of family
(*To be subdivided as the Law Number* '12' *of* 'Z Law')
252 Right of property
253 Freedom of contract
254 Freedom of public meeting
255 Franchise
256 Sanctity of private correspondence
257 Freedom of expression of opinion
258 Other rights
(*To be divided by the* **Subject Device**)
(*Illustrative*)
258Q Freedom of belief and conscience
258T Education
258U42 Liberty of migration and movement
258W28 Equal eligibility for office
258X Freedom of trade and industry
258Y5 Work

258Y8 Freedom of association
258Z Equality before law
259 Duties
2591 Loyalty, allegiance
2594 Military service
2598 Other duties

(*To be divided by the* **Subject Device**)

26 **Local bodies**

(*To be subdivided as* 2 *substituting* **Standing Committees** *in the place of* **Local bodies**)

27 **Judiciary**
28 **Administration**
3 **Economic**
4 **Military, naval and aerial**
41 Military
45 Naval
48 Aerial
5 **Cultural**
6 Tradition, language and literature as sources
66 Tradition
67 Literature
68 Language
7 **Archaeology, epigraphy,** *etc.*
71 Archæology
72 Epigraphy, inscriptions, *etc.*
73 Numismatics, seals, *etc.*
74 Genealogy
75 Heraldry
76 Chronology
8 **Archives**
817 Colonial correspondence
819 Diplomatic correspondence
822 Minutes of the executive
823 Proceedings of the legislature
828 Administrative records

(*To be divided by the* **Subject Device**)

84 Military, *etc.*, records

W POLITICAL SCIENCE

W [T] : [P]

Divisions based on the train of **Type of state** *or* **T** *Characteristic*

1 Anarchy
2 Primitive forms. tribal institutions
3 Feudal institutions
4 Monarchy
41 Absolute monarchy
46 Limited monarchy
5 Oligarchy
6 Democracy
61 Representative
62 Direct
64 Dictatorship
691 Communism
7 Utopia
8 Change of form of state
81 Revolution
87 Passive resistance and non-violence

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Election method
11 Nomination
12 Polling
13 Counting
14 Declaration of the result
15 Objection petition
18 Returning officer

Special methods by the Chronological device (Illustrative)

1M57 Proportional representation

2 Parts of Governmental organisation

21 Crown, president
211 Viceroy
212 Governor

22 Executive
23 Legislature
24 Party organisation
25 Party in opposition
26 Local bodies
261 Urban local bodies
263 Larger rural local bodies
264 Primary rural local bodies
268 *Ad hoc* bodies for special functions

(To be divided by subject device)

Divisions of W based on **Problem** *or* **P** *Characteristic are to be applied to* 26 *and subdivisions of* 26 *so far as they are applicable substituting* **Standing Committees** *in the place of* **Local bodies** *with the proviso that if applied directly to* 26, *a zero is to be added to* 26

27	**Judiciary**
271	Supreme court
372	Federal court
273	High court
275	District court
276	Subordinate court
2793	Bar
28	**Administrative machinery, permanent executive, civil service**
3	**Functions of Government**
	Subdivisions by the subject device (Illustrative)
32	State and library provision
3Q	State and religion
3T	State and education
3X4	State and transport facilities
3X415	State and railways
4	**Relation of the state with special classes of people**
45	Foreigners
47	Backward classes
5	**Relation of the state with citizens (civic rights and duties)**
	(To be subdivided as the Point of View Number '25' *in* 'V History')
7	**Relation with constituent and subordinate states**
72	Federal
77	Imperial
78	Mandatory
91	**Foreign relation**
911	Diplomacy
91194	Espionage
914	War
9141	Defence
915	Peace
9154	Disarmament

X ECONOMICS

X [B] : [E] : [G] : [C]

X—[B] : [E] : [G] : [C]

Divisions based on the train of Business *or* B *Characteristic*	
4	**Transport**
41	Land transport
411	Roads, highways
412	Vehicles drawn by muscular power
413	Motor vehicles
415	Railways
4151	Street railways
4153	Provincial
4155	International
42	Water transport
421	Canal
423	River
424	Lakes
425	Oceanic
428	Ports
43	Air transport
45	Communications
46	Post
47	Telegraph
48	Telephone
6	**Finance**
61	**Money and currency**
611	Denomination
613	Precious metals
6131	Gold
6132	Silver
614	Paper money
615	Bimetallism
619	International coinage
62	**Banking**
621	Rate of interest
622	Regulation of loans
623	Discount
624	Reserves
625	Special payments
626	Cheques and clearing houses
627	Mechanism of exchange
64	**Money market**
65	**Investment**
651	Stocks
652	Securities
6521	Public, state
6522	Public, municipal
6523	Industrial
654	Lotteries, chitfunds
66	Money-lending
661	Usury
663	Liquidation
664	Extinction
69	**Types of banks**
691	Central and reserve

6912 Federal reserve
692 Industrial
695 Commercial
696 Mortgage
6961 Land mortgage
6966 Pawn mortgage
6991 International settlement

7 Public finance
71 Income and expenditure, budget

72 Taxation
721 Poll-tax
722 Property tax
723 Land tax
7232 Irrigation tax
724 Income-tax
7241 Income from investments
7242 Income from government bonds
7243 Income from business

To be divided by business

7244 Salary
7245 Foreign income
725 Profession tax
726 Inheritance tax

729 Indirect taxes
7291 Taxes on articles of consumption; raw materials and manufactures
7292 Stamp duty
7293 Licence fees

To be divided by commodity

72991 Death duty

73 Revenue from state-owned properties
74 Revenue from commercial and industrial undertakings

75 Public loans
751 Public loans in relation to state policy
752 Creation of debt; forms of loans
753 Sinking funds, conversion, liquidation, insolvency
755 Foreign loans and foreign debts

76 Expenditure
796 Local public finance

8 Insurance
81 Child
83 Life
85 Marriage
86 Maternity
88 Industrial
89 Accidents
891 Fire
892 Unemployment
894 Sickness
895 Marine
896 Bad debt. Credit

9 Other businesses

Divisions by the **Subject Device** (*Illustrative*)

X9F182 Iron industry
X9F551 Coal industry
X9J Agricultural economics
X9JA Lumber industry

X9M13 Paper industry
X9M7 Textile industry
X9MH2331 Clay industry
X9MJ452 Cigar industry

Divisions based on **Economics** *or* **E** *Characteristic*

1 **Consumption**
16 Standard of living
17 Economic conservation

2 **Production**
26 Cost of production
27 Resources
271 Natural
272 Industrial
28 Management of production

3 **Distribution**
31 Personal. National income
32 Functional
321 Consumer
322 Land. Rent
325 Trader
326 Capitalist. Interest
328 Organiser. Profit
329 Labour. Wages
3M24 Socialism
3N20 Social credit

4 **Transport**
41 Packing
42 Collection, distribution
44 Haulage
446 Rate, freight
45 Warehousing
46 Cost of entire transport
48 Management of transport

5 **Commerce**
51 Marketing
511 Survey
512 Advertising
5121 Canvassing
517 Monopoly
518 Dumping
52 Retailing
525 Retailing store

53 **Tariff**
531 Protection
5311 Imperial preference
533 Free trade
535 Export duty
536 Import duty

54 **Exports and imports**
545 Exports
546 Imports
55 Storage
56 Financing

57 **Foreign exchange**
575 Balance of trade
58 Management of commerce
591 Internal trade

6 **Financing**

7 **Value**
73 Supply and demand *Laissez-faire*
731 Demand
732 Supply

74 Business cycle
741 Boom
742 Depression
746 Recovery measures
75 Artificial control. Planned economy
76 Price

8 Management

81 Employer, ownership
82 Employees
828 Executive
83 Planning, prospecting
84 Equipment
845 Purchasing
85 Records, filing
86 Investments
87 Accounts
871 Budgeting
872 Book keeping
873 Cost accounting
8732 Prime cost
8733 Shop expenses
8738 Oncost
8739 Types of cost accounts
87391 Terminal or contract
87392 Process
87393 Operating
87394 Multiple
87395 Output
874 Depreciation
875 Reserve fund
877 Valuation
878 Balance sheet
88 Audit
893 Conduct of meetings

9 Labour

91 Labour systems

911 Child labour
912 Apprentice labour
913 Free labour
915 Woman labour
9162 Slave labour
9163 Peonage; compulsory labour
9165 Convict labour
9166 Immigrant labour
9168 Blind labour
919 Other systems

92 Labour market

921 Seasonal variation
922 Unemployment
923 Labour and trusts
925 Employment agencies
926 Labour and machinery

93 Skilled and unskilled labour, training

94 Housing and social conditions of labour and labour hygiene

941 Housing
943 Physiological study
9434 Fatigue study
944 Industrial poisons and diseases; dust, vapour, heat, cold, moisture, pressure, air
945 Dangerous occupations; accidents

946 Standard of life
948 Welfare institutions

95 Service conditions
951 Hours
9511 Overtime
9512 Rest
952 Wages
9528 Profit-sharing
953 Leave
955 Compensation
956 Retirement allowance
957 Tenure
958 Insurance
9582 Unemployment benefit

96 Trade unions
97 Strikes
971 General strikes
972 Sympathetic strikes
973 Boycott
974 Black listing
975 Lockouts
976 Sabotage
977 Arbitration

X7—:[E]
Special divisions based on the train of **Economic** *characteristic for* **'72 Taxation'** *and its subdivisions*

1 Incidence
11 Equal taxation
12 Proportional taxation
124 Specific
127 *Ad valorem*
13 Progressive taxation

2 Exemption
3 Distribution
32 Double taxation
5 Effect on Industries and Commerce

Special **Types of Organisation** *by the* **Chronological Device** (*Illustrative*)

XM25 Co-operative
XM55 Joint stock company
XM85 Trust (American)
XN12 Public utility
XN17 Communistic

Y OTHER SOCIAL SCIENCES

Y1 [G] : [P] : [S] : [Gg] : [C]

Y1 SOCIOLOGY

Divisions based on the train of **Group** *or* **G** *Characteristic*

1 Groups arising from age and sex

11 Children

(To be subdivided as in **'S Psychology'**)

12 Youths

13 Old persons

15 Women

16 Men

2 Family

To be subdivided as in **'R 4 Ethics'**

3 Groups arising from residence

31 Rural community

33 Urban community

35 City community

38 Nation

396 Mountain community

4 Groups arising from occupation

41 Professional

45 Commercial

48 Leaders

49 Working class

491 Serfs

492 Slaves

5 Groups arising from birth or status

51 Royalty

52 Aristocracy

53 Middle class

54 Military class

55 Aliens

57 Depressed class, slums

591 Groups arising from titles of distinction

592 Groups arising from caste

5922 Twice-born, *Dvijas*

5923 Brahmans

5924 Kshatriyas

5925 Vaisyas

5926 Sudras

6 Abnormals and defectives

(To be subdivided as in **'S Psychology'**)

7 Race as a social group

71 Prehistoric

7114 Tertiary

7115 Quaternary

714 Stone age

7142 Eolithic

7143 Paleolithic

7144 Mesolithic
7145 Neolithic
718 Metal age
7183 Copper and bronze
7188 Iron
7196 Lost races
71961 Gandvans
71963 Lemurians
71965 Atlantic race

72 Primitive

73 Ethnologic divisions

738 Gypsies

Other divisions by the **Subject Device** *(Illustrative)*

73MY6 Nomadic
73P1 Aryan
73P11 Teutonic
73P114 Nordic
73P128 Celtic
73P14 Slav
73P15 Hindu
73P2 Semitic
73P25 Jewish
73P28 Arabic
73P3 Dravidian
73P41 Mongolian

74 Territorial divisions

To be got by the **Geographical Device**

8 Groups arising from association

81 Secret societies
82 Freemasons
83 Friendly societies
84 Monasteries
85 Nunneries

9 Groups arising from other causes

To be subdivided by the **Subject Device**

Divisions based on the train of **Problem** *or* **P** *Characteristic*

1 Civilisation. Culture

2 Physical features and characters

21 Weight

22 Measurements

221 Linear
222 Area
223 Volume

23 Proportion

24 Abnormalities

241 Size
2411 Dwarf
2412 Giant
242 Shape
243 Position
244 Fixation
245 Number
246 Total absence
247 Lateral interchange

25 Colour

27 Functioning

2922 Taste
2924 Smell
2927 Touch
293 Strength
294 Temperature

3 Activities, Attitudes

To be divided as the **Problem Divisions** *of* **R4 Ethics** *with the following modifications*

34 **Ceremonials**
341 Childhood
3411 Naming
342 Adolescence
343 Adulthood
344 Old age
345 Funerals
346 Anniversaries
348 Inauguration

To be subdivided by the **Subject Device** *(Illustrative)*

348D Buildings
348U8 Travel
348W021 Coronation

Other ceremonials by the **Subject Device**

35 'As if' activities
351 Folklore
354 Superstitions
356 Traditions. Customs

Each division of 35 to be subdivided as the **Entity Divisions** of △ *and by the* **Subject Device** *and a* '0' *to be added after* '35' *if the Entity Number or Subject Number is to be directly applied to it*

38 **Symbolism**
381 Material. Totem. Flags
382 Ideas
383 Sound
384 Graphic
386 Gesture
388 Script

Each division of 38 to be divided as the **Entity Divisions** △ *and by the* **Subject Device** *and a* '0' *to be added after* '38' *if the Entity Number or Subject Number is to be directly applied to it*

Other Activities *and* **Attitudes** *To be got by the* **Subject Device**

4 **Social pathology**
41 **Intemperance**
411 Alcoholism
412 Tobacco habit
413 Opium habit
414 Other drug habits
42 **Degeneration**
421 Physical
423 Mental
425 Moral
426 Spiritual
43 **Destitution**
431 Widowhood
432 Orphanhood
433 Unemployment
434 Poverty
435 Disasters
4351 Fire
4353 Famine
4354 Pestilence
4355 Floods
436 Earthquake
437 Accidents
438 War
44 **Social evil**
45 **Crime**
(*To be subdivided as in* '**Z Law**')
46 Short life
48 Disunion
484 Espionage

49 Other ills
492 Slavery

To be further subdivided by the **Subject Device**

5 Population problem
51 Under-population
52 Over-population
55 Sex-proportion

7 Personality

To be divided as in **S Psychology**

8 Equipment
81 Habitat and residence

To be divided as the **Utility Divisions** *of* **N1 Architecture**

82 Utensils
823 Cooking
825 Drinking
828 Storing

83 Implements
831 Fire

Other divisions by the **Subject Device** *(Illustrative)*

83C4 Heating devices
83C5 Lights, lamps
83J Agricultural implements
83M7 Textile implements
83P18 Writing implements

84 Transport—track

To be divided as the **Business Division 4** *of* **X Economics**

85 Transport—Vehicle

To be divided as the **Business Division 4** *of* **X Economics**

86 Ornaments

To be divided as the **Regional Organ Divisions** *of* **L Medicine** *(illustrative)*

8631 Toe ring
8633 Anklets
8637 Waist cord
8666 Bangles
8668 Rings
867 Necklaces
8683 Ear rings
8684 Nose rings
8687 Crown—Head ornaments
8688 Ornaments for hair
8697 Tattooing

88 Apparel
91 Nomenclature etc.

To be divided as in **G Natural Science**

Divisions based on the train of **Secondary Problem** *or* **S** *Characteristic For* **Problem Divisions 1, 3, 7, 8**

1 Nomenclature, etc.

To be divided as in **G Natural Science**

5 Influence. Contact
6 Genetic or comparative study
62 Variation, natural selection
65 Hybridisation (cultural)

7	**Conservation. Improvement**
75	Ecological methods
76	Phylogenetic methods
77	Ontogenetic methods

For **Problem Division 2**
Same as the
Organ Divisions
of **L Medicine**

For **Problem Division 4**
(*May also called*
Handling *or* **H**
Characteristic)

1	Nomenclature, etc.
2	Etiology
3	Diagnosis
4	Experimentation
5	Prevention

Subdivisions by the
Subject Device
(*Illustrative*)

5G	Eugenical
5Q	Religious
5T	Educational
5U	Congregational
5X	Occupational
5Y	Family system
5Z	Legislative

6	Treatment
61	Detection, police
62	Prison
63	Banishment
64	Extermination
65	Asylum, correction
66	Work house
67	Relief work
68	Charity
69	Other methods
691	Corporeal punishment

For **Problem Division 5**
same as for **Problem Division 4**
with suitable modifications
in Terminology

Z LAW

Z [C] : [L] : [P]
Z1 A : [L] : [P]
Z1 B : [L] : [P]
Z1 C : [L] : [P]
Z1 D : [L] : [P]

Divisions based on the train of Community *or* C *Characteristic*
(*To be got by* Geographical Device *and by* Subject Device)

Divisions based on the train of Law *or* L *Characteristic*

1 Legal person
11 Divisions arising from age and sex
111 Minor
1133 Guardian
115 Woman
12 Family
121 Husband and wife; marriage
1214 Concubinage
122 Parents and children
1224 Children of mixed marriages
1225 Adopted children
138 Illiterate
1492 Slave
15 Divisions arising from birth or status
151 Royalty
152 Aristocracy
153 Pope
155 Aliens
1556 Domiciled aliens
156 Nationals
1591 Diplomatic agents
16 Abnormals
163 Insane
164 Sick and infirm
165 Criminals
166 Insolvents, bankrupts
17 State
171 Sovereign state
1712 Federal state
1717 Colony
1718 Mandatory
172 Tribal
173 Neutral
1734 Armed neutral
175 Belligerent. Foreign
18 Corporations
186 Charities
19 Other legal personalities
191 Idol
192 Mutt, Mosque, Church

2	**Property**
21	**Immovables. Territory**
211	Land
215	Seas
2153	Marginal seas
2157	Rivers
2158	Harbours
218	Air
24	Treasure trove
25	**Servitudes**
251	Support
253	Produce
254	Right of way
255	Water
256	Fishery
258	Air and light
2591	Prospective
26	**Movables**
265	Ships
267	**Immaterial**
2671	Goodwill
2673	Design; patent
2674	Copyright
2675	Trade mark
2677	Document
27	Licence
28	**Exterritoriality**
281	Diplomatic offices
2811	Residences of diplomatic agents
282	Pope's residence
284	Army quarters
293	Neutral property
3	**Contracts. Treaties**
31	Master and servant
32	Agency
325	Auctioneers
33	Partnership
34	Bailment
35	Sale
36	Debtor and creditor
37	Extradition
396	Quasi-contracts
4	**Torts**
41	Against person
	(To be subdivided as 51 Crime against person)
42	Against property
	(To be subdivided as 52 Crime against property
43	Against obligations
44	Negligence
45	Nuisance
47	Against reputation. Defamation
494	Custody of dangerous animals and things
496	Quasi-torts
5	**Crime**
51	**Against person**
511	Homicide
5111	Suicide
5112	Murder
5113	Man-slaughter
512	Hurt, etc.
5121	Hurt
5122	Assault
5123	Battery
5124	False imprisonment
5125	Kidnapping, abduction
51262	Slavery
51263	Forced labour

5141 Intimidation
5142 Annoyance
515 Against women
5151 Rape
5152 Offending modesty
5153 Procuring abortion
517 Against marital status

52 Against property
5211 Arson
5212 Mischief
5215 Extortion
5221 Dacoity
5222 Robbery
5223 Theft
5224 Receiving stolen property
5231 Cheating
5232 Misappropriation
5238 Breach of trust
524 Trespass
5242 House-breaking
527 Against immaterial property
5275 Against trade mark
5277 Forgery
52774 Using forged document

53 Breach of contract
54 Negligence and rashness
55 Public nuisance
57 Against reputation
58 Against public peace
581 Unlawful assembly
582 Rioting
583 Affray
5Q Against religion
5W Against state
5W1 Against king
5W2 Against ministers
3W3 Against members of legislature
5W4 Waging war against state
5W5 Adhering to enemies of the state
5W6 Betrayal of state secrets
5W7 Promoting class hatred
5W8 Against public servants
5W84 Against army, etc.
5X*e* Relating to weights and measures
5X61 Relating to coin and government stamps
5Z Against public justice
5Z7 Against regulative laws

6 Conflict of laws

(All the divisions of Z based on the trains of L and P Characteristics are applicable to 6)

7 Regulative laws

To be subdivided by
Subject Device
To be used for cross reference only

8 Administration and procedure
801 Civil procedure

305	Criminal procedure
81	**Arbitration**
82	Forum, jurisdiction
83	Stamp, court-fees
84	**Bar of suit**
842	Res judicata, autrefois acquit
843	Extinction
844	Withdrawal
846	Limitation
85	Filing
853	Pleading
86	**Trial**
861	Institution
862	Enquiry
8624	Cross-examination
863	Appeal, review, revision
87	Judgment and decree
871	Compromise, award
876	Contested
877	Ex parte
878	Execution
88	**Administrative machinery**
881	Court
8811	Institution court
8813	Appeal court
88196	Quasi-court
882	Bench, etc.
8821	Judge, magistrate
8825	Jury
8826	Assessors
883	Bar
8831	Advocate
8835	Attorney, solicitor
8871	Master
8872	Clerk of the crown
888	Executive
8883	Sheriff and bailiffs
891	Contempt of court
91	**Jurisprudence**
916	Legal maxims
92	**Sources**
921	Sacred
922	Custom
923	Convention
924	Equity
925	Case-law
926	Fiction in law
928	Enactment
93	**Interpretation**
94	**Evidence**
95	**Remedies and sanctions**
9511	Death
9512	Penal servitude, transportation
9513	Imprisonment
9514	Whipping
9521	Confiscation
9522	Fine
9531	Preventive detention
9532	Recognizances
9533	Police inspection
9534	Probation
9541	Borstal treatment
9542	Detention in inebriate retreat
9591	Restitution
9592	Damages
9593	Administration of estates

9594 Injunction
9595 Specific performance
9596 Control of documents
9597 Declaratory order
9598 Writs
95981 Mandamus
95982 Certiorari
95983 Habeas corpus
95984 Prohibition
95993 Maintenance

A War
B Land
C Naval
D Air

(All the divisions of Z based on the trains of L and P Characteristics are applicable to A, B, C and D)

Divisions based on the train of **Problem** *or* **P** *Characteristics*

For **1 Legal Person**

1 Capacity. Jurisdiction

To be divided as the **Problem Division 25** *of* **V History**

195 *Ultra vires*
1991 Right of legation
5 Alienation
6 Succession

For **2 Property**

1 Ownership
14 Limited
16 Perpetuities
2 Possession
3 **Landlord and Tenant**
4 **Transfer**
41 Will. Cession
42 Gift
43 Exchange
44 Conquest
45 Acquisition by State
46 Compulsory sales. Annexation. Seizure
47 Occupation
48 Discovery
493 Covenants running with the property
6 **Security, mortgage**
7 Lease
8 **Trust**
93 **Boundary**
931 Natural
933 Coast
936 Mountains
937 Rivers
938 Lakes
9391 Artificial

For **3 Contracts**

1 Capacity
2 Consideration
3 **Formation**
31 Offer
36 Acceptance
37 Ratification
38 Deed

4 **Avoidance**
41 Misrepresentation
42 Fraud
43 Coercion
45 Undue influence
48 Mistake
5 Lien

6 **Enforcement**
7 Dissolution
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COLON CLASSIFICATION

BY

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PART III

INDEX TO THE SCHEDULES

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HOW TO USE THE INDEX

The index consists of two sections. The first section constitutes an alphabetic index to the fundamental constituent terms in the Schedules of Classification contained in Part II but not to the derived composite terms (vide *Prolegomena to library classification.* Pp. 135-139). The second section indexes in one alphabetic sequence the title entries and the author entries of all the works, whose Class Numbers have been worked out by the Classic Device and given in the illustrative schedules of Part II.

In the second section, the Class Number is given against each entry and there is nothing novel in it.

But the numbers given against the entries of the first section require some explanation. The number in antique type gives the Main Class or the Canonical Division of the Main Class to which the 'term' in the entry belongs. The capital letter in ordinary type, which follows the number in antique type, gives the 'train of characteristics of classification' to which the 'term' belongs. The number that follows the capital letter in ordinary type gives the number of the 'term' among the divisions based on the specified characteristic of classification, in the specified Main Class or Canonical Division of the Main Class, as the case may be.

If the number against an entry begins with 'G.D.', it means that the term in the entry belongs to the Schedule of Geographical Divisions.

If it begins with 'L.D.', it means that the term belongs to the Schedule of Language Divisions.

There are 14 fundamental types of entries. An example of each such type is given here, along with its interpretation. There may be combinations of such fundamental types whose interpretation will be obvious.

I Type: Abscess L,P,475

This means that the term 'Abscess' occurs as division 475 among the divisions based on the 'P' or Problem train of characteristics in the Schedule for the Main Class **'L'** *i.e.* 'Medicine'.

II Type: Allegiance V,P, 2591; W,P,591

This means that the term 'Allegiance' occurs in two classes *viz.* **'V'** *i.e.* 'History' and **'W'** *i.e.* 'Political Science'. In the former it occurs as division 2591 among the divisions based on the 'P' or Problem train of characteristics and in the latter as division 591 among the divisions based on the 'P' or Problem train of characteristics.

Cases, in which three or more groups of figures separated by semi-colons occur, are to be interpreted similarly.

III Type: Financing **X**,E,56,6

This means that the term 'Financing' occurs twice, *viz.* as divisions 56 and 6 among the divisions based on the 'E' or Economic train of characteristics of the Main Class **'X'** *i.e.* 'Economics'.

IV Type: Transport **X**,B,E,4

This means that the term 'Transport' occurs twice in the schedule of the Main Class 'X' *i.e.* 'Economics' as division 4 among the divisions based on the 'B' or Business train of characteristics and among the divisions based on the 'E' or 'Economic' train of characteristics.

V Type: Abdomen **K.L**,O,14.

This means that the term 'Abdomen' occurs twice *viz.* as division 14 among the divisions based on the 'O' or Organ train of characteristics of the Subject Divisions **'K** Zoology' and **'L** Medicine'.

VI Type: Air-transport **D**,W,**X**,B,43

This means that the term 'Air-transport' occurs twice *viz.* as division 43 among the divisions based on the 'W' or Work train of characteristics of the Main Class **'D'** *i.e.* 'Engineering' and as division 43 among the divisions based on the 'B' or Business train of characteristics of the Main Class **'X'** *i.e.* **'Economics'.**

VII Type. Abortion L, O-55,P,34

This means that the term 'Abortion' occurs as division 34 among the divisions based on the 'P' or Problem train of characteristics of the 'O' or Organ Division '55' of the Main Class 'L Medicine'.

VIII Type: Aberdeen G.D. 56384

This means that the term 'Aberdeen' occurs as division 56384 among the Geographical Divisions.

IX Type: Afghan L.D. 165

This means that the term 'Afghan' occurs as division 165 among the Language Divisions.

X Type: Acromegaly L66:472

This means that the term 'Acromegaly' has the Class Number L66:472.

XI Type: Agriculture J

This means that the term 'Agriculture' occurs as division 'J' in the Schedule of Main Classes.

XII Type: Abelian functions B392M26

This means that the term 'Abelian functions' has the Canonical Division number B392M26.

XIII Type: Acts *q*

This means that the term 'Acts' occurs as division *q* among the Schedule of Common Subdivisions.

XIV Type: Absence *b*, 53

This means that the term 'Absence' occurs as the subdivision 53 of the division *b* in the Schedule of Common Subdivisions.

The following example illustrates how a combination of the fundamental types is to be interpreted:—

Administration 2,P,4; T,P,431; V,W,P,28; Z, L,8,9593.

This means that the term 'Administration' occurs as 'Problem Division 4' in the Generalia Class '2 Library Science'; as

'Problem Division 431' of the Main Class 'T Education'; as the 'Problem Division 28' of the Main Classes 'V History' and 'W Political Science'; as 'Law Divisions 8 and 9593' of the Main Class 'Z Law'.

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Raghunātha *Padārthamālā* R625*x*J40:2
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Raghunātha Śiromaṇī *Kiraṇāvaliprakāśa-dīdhiti* R621*x*11512
Raghunātha Siromaṇi *Nyāyalīlāvatī-dīdhiti* R621*x*22
Raghunātha Śūri *Śaṅkarapādabhūṣaṇa* R66:5*x*M50
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Rāmacandrācārya *Prakriyā-kaumudī* P15:C*x*17
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Rāmakaṇṭha *vivṛti* Q233:23952
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Ratnaprabhāvyākhyā by Acyutākṛṣṇānanda R66:5*x*161
Ratnatulikā by Bhāskara Dīkṣita R66*x*K701
Ratneśvara *Commentary on Kāvyaprakāśa* O15:9*x*84
Ratneśvara *Ratna-darpaṇa* O15:9*x*E551
Rāyamukuṭa *Padacandrikā* P15:C4*x*14
Rayaṇasāra R693*x*2:82
Ṛgveda-prātiśākhyā by Śaunaka P15:10A*x*1
Ṛjvartha by Durgācārya P15:10A28:3*x*12
Ṛjuvimala by Śālikanātha R645*x*11
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Rudraṭālaṃkāra-ṭippaṇa by Namisādhu O15:9*x*62
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Ruyyaka *Alaṃkāra-sarvasva* O15:9*x*F20
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Śabara *Śābara bhāṣya* R64*x*11
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Śabdaratna by Hari-dīkṣita P15:C*x*1611
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Sadānanda Vyāsa *Advaita-siddhi-saṅgraha* R66*x*94
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Sadāśivendra Sarasvatī *Siddhānta-kalpavallī* R66*x*L50:1
Sadāśivendra Sarasvatī *Yoga-sūtra-vṛtti* or *Yoga-sudhākara* R635*x*1L50

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Sadvidyāvijaya by Mahācārya R672*x*K90:4
Sahajakīrti *Sārasvata-prakriyā-vārttika* P15:C*x*71K20
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Śaktivāda by Gadādhara Bhaṭṭācārya R625024013*x*5
Śālikanātha *Prakaraṇa Pañcikā* R645*x*5
Śālikanātha *Ṛjuvimala* R645*x*11
Samādhirāja R6945*x*5
Sāmantabhadra *Gandhahasti mahābhāṣya* R693*x*12
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Samāsavāda by Anantācārya R672*x*M20:3
Samayasāra prābhṛta by Kundakunda R693*x*2:2
Sāmaveda-prātiśākhyā P15:30A*x*1
Sambandar Q23:417*x*2
Sāmba-nighaṇṭu by Kastūri Raṅgayya P35:E4*x*2
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Samudrabandha *Alaṃkārasarvasvavyākhyā* O15:9*x*F202
Samvidekatvānumāna-nirāsavādārtha by Anantācārya R672*λ* M20:2

Sandarbha by Balabhadra R621*x*D955
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Saṅgītapārijāta by Ahobala N844*x*K12
Saṅgītaratnākara by Śārṅgadeva N844*x*1
Sangīta samayasāra by Pārśvadeva N844*x*4
Sañjīvanī by Vidyācakravartin O15:9*x*F203
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Śaṅkara *Brahmasūtra-bhāṣya* R66:5*x*1
Śaṅkara *Dakṣiṇāmūrti-stotra* R66*x*D68:15
Śaṅkara *Daśaślokī* R66*x*D68:3
Śaṅkara *Gītābhāṣya* R66:6*x*1
Śaṅkara *Pañcīkaraṇa* R66*x*D68:14
Śaṅkara *Sanatsujātīya bhāṣya* R66:8*x*2
Śaṅkara *Sarva-siddhānta-saṅgraha* R6*x*3
Śaṅkara *Saundarya-laharī* Q25*x*1
Śaṅkara *Upadeśasāhasrī* R66*x*1
Śaṅkara *Vākyasudhā* R66*x*D68:18
Śaṅkara *Viṣṇusahasranāma-bhāṣya* R66:8*x*1 or Q22:4173*x*11
Śaṅkara *Vivekacūḍāmaṇi* R66*x*D68:1
Śaṅkarabhaṭṭa *Samskāra-mayūkha* Q2:42*zx*J61
Śaṅkaramiśra *Bhedaratna* R66*x*I90
Śaṅkara-miśra *Commentary on Khaṇḍana-khaṇḍa-khādya* R66*x*73

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Śaṅkara-miśra *Praśastapādabhāṣya-ṭīkā-saṅgraha* R621*x*11I9(
Śaṅkara-miśra *Upaskāra* R621*x*12
Śaṅkarārya *Jayamaṅgala* R631*x*24
Saṅketamañjarī by Dāmodara LA*x*35
Śaṅkhapāṇi *Samīkṣā-phakkikā* R66*x*22
Sāṅkhāyana Q112:4*x*2
Sāṅkhya-kārikā by Iśvara Kṛṣṇa R631*x*2
Sāṅkhya Karikā-bhāṣya by Gauḍapāda R631*x*22
Sāṅkhya-pravacana-bhāṣya by Vijñāna Bhikṣu R631*x*32
Sāṅkhya-sūtra by Kapila R631*x*3
Sāṅkhya-sūtra-vṛtti by Aniruddha R631*x*31
Sāṅkhya-sūtra-vṛtti by Mahādeva R631*x*33
Sāṅkhya-tattva-kaumudī by Vācaspati-miśra R631*x*23
Sāṅkhya-tattva-kaumudī-vibhākara by Vamsīdhara-miśra R631*x*238

Santānāntarasiddhi R6947*x*6:2
Śāntarakṣita *Tattvasaṅgraha* R6946*x*4:1
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Saptadaśa bhūmi śāstra by Maitreyanātha R6946*x*1:2
Saptapadārthī by Śivāditya R621*x*D95
Śāradaśarvarī by Virūpākṣa O15:9*x*II104
Śāradātanaya *Bhāvaprakāśa* O15:9*x*F90
Śārapradīpikā by Jagannātha P15:C*x*71J70
Śārasaṅgraha by Varadarāja R625*x*41
Śārasvatabhāṣya by Kāśinātha P15:C*x*71J90
Śārasvataprakāśa by Vasudeva Bhaṭṭa P15:C*x*716
Śārasvata-prakriyā by Anubhūtisvarūpācārya P15:C*x*71
Śārasvata-prakriyā-vārttika by Sahajakīrti P15:c*x*71K20
Śārasvata-sūtras by Narendrācārya P15:C*x*7
Sarasvatī-kaṇṭhābharaṇa by Bhoja O15:9*x*E55
Śāratthapakāsinī by Buddhaghoṣa Q41:223:9*x*1
Śārirakabhāṣya-vyākhyā by Ānandagiri R66:5*x*15
Śārīraka-nyāya-rakṣāmaṇi by Appaya Dīkṣita R66*x*J50:1
Śārīrakaśāstrārtha-dīpikā by Raṅgarāmānuja R672:5*x*3
Śārīravāda by Anantācārya R672*x*M20:1
Sarkār (Yaśodānandan) *See* Yaśodānandan Sarkār

Śārṅgadeva *Saṅgītaratnākara* N844*x*1
Śārṅgadhara *Śārṅgadhara saṃhitā* LA*x*5
Śārṅgadhara-dīpikā by Ādhamalla LA*x*51
Śārṅgadhara saṃhitā by Śārṅgadhara LA*x*5
Sārvabhauma Bhaṭṭācārya (Gaurīkānta) *See* Gaurīkānta Sārvabhauma Bhāṭṭācārya

Sarvadarśana-saṅgraha by Mādhavācārya R6*x*2
Sarvadevasuri *Pramāṇamañjarī* R621*x*J70
Sarvajñanārāyaṇa Q2:4*x*15
Sarvajñātman *Saṃkṣepa śārīraka* R66*x*5
Sarvalakṣaṇa-sāra-saṅgrahamu by Timmaya P35:E*x*5
Sarvamata-saṅgraha R6*x*5
Sarvānanda Vandyaghatīya *Ṭīkā-sarvasva* P15:C4*x*12
Sarvāṅga sundara by Aruṇadatta LA*x*31
Sarvārthasiddhi by Pūjyapāda R693*x*13
Sarva-siddhānta-saṅgraha by Śaṅkarācārya R6*x*3
Śarvavarman *Kātantra-sūtrapāṭha* P15:C*x*6
Śāsanavamsa Q41:6*x*M20
Śāstra-dīpikā by Parthasārathi Miśra R641*x*7
Śāśvata *Anekārtha-samuccaya* P15:C4*x*4
Śatadūṣaṇi by Vedāntadeśika R672*x*G68:6
Śatadūṣaṇivyākhyā by Nṛsimharāja R672*x*G68:62
Śaṭhakopamuni *Brahmalakṣaṇavākyārtha* R672*x*L50
Śaṭhakopayati *Commentary on Nyāyaparisūddhi* R672*x*G68:31
Śaṭhamarṣa Śrīnivāsa Tātācārya *Ānandatāratamya khaṇḍana* R672*x*K50

Saṭokanāthar △28*x*42
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Vyāsa Bhāṣya or *Yogasūtra* R635*x*11
Vyāsa *Vyāsaśikṣā* P15:25A1*x*1
Vyāsa (Sadānanda) *See* Sadānanda Vyāsa
Vyāsa-tātparya-nirṇaya by Ayyaṇṇādīkṣita R66*x*M00
Vyāsatīrtha *Bhedojjīvana* R68*x*I67:2
Vyāsatīrtha *Nyāyāmṛta* R68*x*I67:1
Vyāsatīrtha *Tarkatāṇḍava* R68*x*I67:3
Vyāsatīrtha *Tātparya-candrikā* R68:5*x*111
Vyutpattivāda by Gadādhara Bhaṭṭācārya R625024013*x*4
Vyutpattivādavyākhyā by Baccaśarma R625024013*x*42
Vyutpattivādavyākhyā by Kṛṣṇa Bhaṭṭa R625024013*x*41
Vyutpattivādavyākhyā by Sudarśanācārya R625024013*x*43

Y

Yādavaprakāśa *Vaijayantī* P15:C4*x*2
Yādavācārya *Nyāyamañjarīsāra* R625*x*J502
Yadupadācārya *Yadupadīya* R68:5*x*214
Yadupadiya by Yadupadācārya R68:5*x*214
Yājñavalkya Q2:4*x*2
Yakṣavarma *Cintāmaṇi* P15:C*x*43
Yāmuna *Gītārtha saṅgraha* R67:6*x*1
Yāmuna *Siddhitraya* R672*x*1

Yāska *Nirukta* P15:10A28:3*x*1
Yaśodānandan Sarkār *Pradīpa* LA*x*3M90
Yatīndramatadīpikā by Śrīnivāsa R67*x*K80:9
Yogācārabhumiśāstra by Maitreyanātha R6946*x*1:2
Yogānandanātha *Āyurveda sūtra* LA*x*8
Yogarāja R663*x*3:31
Yoga-sārasaṅgraha by Vijñāna Bhikṣu R635*x*3
Yoga-siddhānta-candrikā by Nārāyaṇa Tīrtha R635*x*1M20
Yoga-sudhākara by Sadāśivendra Sarasvatī R635*x*1L50
Yoga-sūtras by Patañjali R635*x*1
Yoga-sūtra-vṛtti by Sadāśivendra Sarasvatī R635*x*1L50
Yogāvacāra *Manual* △41:3*x*1
Yoga-vārttika by Vijñāna Bhikṣu R635*x*12
Yogāvataropadeśa by Dharmendra △42:3*x*2
Yogindudeva *Paramātmaprakāśa* △3*x*D50
Yogopaniṣads △2*x*4
Yuktidīpikā R631*x*28
Yuktikalpataru by Bhoja M*x*E55
Yuktiṣaṣṭikā by Nāgārjuna R6947*x*1:2
Yuktisneha-prapūraṇi by Rāmakṛsṇa Miśra R641*x*71

Z

Zad sparam Q8451*x*2
Zohar △5:8*x*1

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AT THE MADRAS LAW JOURNAL PRESS, MADRAS.

Yāska *Nirukta* P15:10A28:3*x*1
Yaśodānandan Sarkār *Pradīpa* LA*x*3M90
Yatīndramatadīpikā by Śrīnivāsa R67*x*K80:9
Yogācārabhumiśāstra by Maitreyanātha R6946*x*1:2
Yogānandanātha *Āyurveda sūtra* LA*x*8
Yogarāja R663*x*3:31
Yoga-sārasaṅgraha by Vijñāna Bhikṣu R635*x*3
Yoga-siddhānta-candrikā by Nārāyaṇa Tīrtha R635*x*1M20
Yoga-sudhākara by Sadāśivendra Sarasvatī R635*x*1L50
Yoga-sūtras by Patañjali R635*x*1
Yoga-sūtra-vṛtti by Sadāśivendra Sarasvatī R635*x*1L50
Yogāvacāra *Manual* △41:3*x*1
Yoga-vārttika by Vijñāna Bhikṣu R635*x*12
Yogāvataropadeśa by Dharmendra △42:3*x*2
Yogindudeva *Paramātmaprakāśa* △3*x*D50
Yogopaniṣads △2*x*4
Yuktidīpikā R631*x*28
Yuktikalpataru by Bhoja M*x*E55
Yuktiṣaṣṭikā by Nāgārjuna R6947*x*1:2
Yuktisneha-prapūraṇi by Rāmakṛsṇa Miśra R641*x*71

Z

Zad sparam Q8451*x*2
Zohar △5:8*x*1

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COLON CLASSIFICATION

BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

Librarian, Madras University Library

Secretary, Madras Library Association

PART IV

Examples of Call Numbers

MADRAS

THE MADRAS LIBRARY ASSOCIATION

LONDON, EDWARD GOLDSTON, LTD.

1939

First Edition 1933
Second Edition (*Revised*) 1939

251*q*N33
G9.4

Printed by
Thompson & Co., Ltd.,
Madras.

Interpretation of Call Numbers

SOME EXAMPLES

(1)	D66:2 G7	COTTON (H.). Transmission and distribution of electrical energy.
	D66:2	is *class number* where
	D	= Engineering;
	D6	= Mechanical engineering;
	D66	= Electrical engineering; and
	D66:2	= Transmission (in electrical engineering).
	G7	is *book number* where
	G	= 193—; and
	G7	= 1937.
	Thus	
	D66:2 G7	= An English book on transmission (in electrical engineering) published in 1937.
(2)	O:2J64:9 G52	SPRAGUE (Arthur Colby). Shakespeare and the audience; a study in the technic of exposition.
	C:2J64.9	is *class number* where
	O	= Literature;
	O:	= English literature;
	O:2	= English drama;
	O:2J64	= Shakespeare *i.e.* the English dramatist born in 1564 (J = 15; J6 = 156— and J64=1564); and

O:2J64:9	= Criticism of Shakespeare.
G52	is *book number* where
G	= 193—;
G5	= 1935; and
G52	= Third of the books (in the ultimate class in question) published in 1935.

Thus

O:2J64:9 G52	= The third English book (in the library) on Shakespearean criticism published in 1935.

(3) Q6:22 C9.7 — Cook (F. C.). *Ed.* Holy Bible according to the authorised version, A.D. 1611 with an explanatory and critical commentary etc., V. 7.

Q6:22	is *class number* where
Q	= Religion;
Q6	= Christianity;
Q6:2	= Sacred books of Christianity; and
Q6:22	= Holy Bible. (Old Testament).
C9.7	is *book number* where
C	= 189—;
C9	= 1899; and
C9.7	= Seventh volume of a book published in 1899.

Thus

Q6:22 C9.7	= Seventh volume of the English edition of the Holy Bible (Old Testament) published in 1899.

CALL NUMBER

(4) Q127:22 15G7.1 CHINNASWAMI SASTRI (A.), *etc. Eds.* Catapatha Brahmana of the white Yajurveda in the Madhyandina rescension. Pt. 1.

Q127:22 is *class number* where

Q = Religion;

Q1 = Vedic religion;

Q12 = Yajurvedic school;

Q127 = Madhyandina school;

Q127:2 = Sacred books of the Madhyandina school of Vedic religion; and

Q127:22 = The Brahmana of the Madhyandina school, *i.e.* Catapatha Brahmana.

15G7.1 is *book number* where

1 = Indo-European; and

15 = Sanskrit

And

G = 193—;

G7 = 1937; and

G7.1 = First volume of a book published in 1937.

Thus

Q127:22 15G7.1 = The first volume of a Sanskrit edition published in 1937 of the (Catapatha) Brahmana of the Madhyandina school of Vedic religion.

(5) S:50T G7	PHILLIPS (Margaret). Education of the emotions through sentiment development.
S:50T	is *call number* where
S	= Psychology;
S:5	= Emotions;
S:50	= Emotions from the point of view of; and
S:50T	= Emotions from the point of educationists.
G7	is *book number* where
G	= 193—; and
G7	= 1937.

Thus

S:50T G7	= An English book of 1937 on emotions expounded from the point view of educationists.
(6) SM95:5 G7	KLEIN (Melanie). Love, hate and reparation.
SM95:5	is *class number* where
S	= Psychology;
SM95	= Psycho-analytic school of psychology *i.e.* A school of psychology originated in 1895 (M = 18—; M9 = 189—; and M95 = 1895); and
SM95:5	= Emotions according to the psycho-analytic school.
G7	is *book number* where.

G	=193—; and
G7	=1937.

Thus

SM95:5 G7	=An English book published in 1937 and expounding the psychology of emotions according to the psycho-analytic school.

(7) V2:28*t*N23 F8 GREAT BRITAIN. ROYAL COMMISSION ON THE SUPERIOR CIVIL SERVICES IN INDIA. 1923. Report.

V2:28*t*N23	is *class number* where
V	=History;
V2	=Indian history;
V2:2	=Constitutional history of India;
V2:28	=Administrative machinery in India;
V2:28*t*	=Commission on administrative machinery of India; and
V2:28*t*N23	=Report of the Commission on administrative machinery of India appointed in 1923 (N=19—; N2=192—; and N23=1923).
F8	is *book number* where
F	=192—; and
F8	=1928.

Thus

V2:28*t*N23 F8 = Report (in English language and published in 1928) of the commission on the administrative machinery of India appointed in 1923.

(8) V3:28*t*N17 E8 GREAT BRITAIN. MACHINERY OF GOVERNMENT COMMITTEE. 1917. Report.

V3:28*t*N17 is *class number* where

V = History;

V3 = British history;

V3:2 = Constitutional history of Great Britain;

V3:28 = Administrative machinery of Great Britain;

V3:28*t* = Committee on the administrative machinery of Great Britain; and

V3:28*t*N17 = Report of the Committee on the administrative machinery of Great Britain, appointed in 1917 (N=19—; N1=191—; and N17=1917).

E8 is *book number* where

E = 191—; and

E8 = 1918.

Thus

V3:28*t*N17 E8 = Report (in English language and published in 1918) of the committee on the administrative machinery of Great Britain appointed in 1917.

(9) △:864*v*467:A G5 THIERENS: (A. E.). Astrology in Mesopotamian culture: an essay.

△:864*v*467:A is *class number* where

△ = Mysticism;

△:8 = Occultism;

△:86 = Prophecy;

△:864 = Astrology;

△:864*v* = History of astrology;

△:864*v*4 = History of astrology in Asia;

△:864*v*46 = History of astrology in Arabian Peninsula etc.

△:864*v*467 = History of astrology in Mesopotamia; and

△:864*v*467:A = History of astrology in Mesopotamia before 2000 B.C.

And

G5 is *book number* where

G = 193—; and

G5 = 1935.

Thus

△:864*v*467:A G5 = An English book published in 1935 on the history of astrology in Mesopotamia before 2000 B.C.

Examples of Call Numbers

1 to 9 Generalia

The following are the chief divisions under which the books in the Generalia class are grouped:—

1	**Bibliography**
12	**Bibliography of manuscripts**
12:315	Sanskrit manuscripts
12:3164	Persian manuscripts
12:331	Tamil manuscripts
12:335	**Telugu manuscripts**
14	**Bibliography of printed books**
2	**Library science**
251	Classification
255	Cataloguing
2623	Library rules
27	Reference work
3	**Cyclopaedias**
4	**Societies**
5	**Periodicals**
5*a*	Lists of periodicals
502	Indiana periodicals
52	Indian periodicals
520	In Indian languages
52031	In Tamil
52:	In English
55	European periodicals
61	Conferences

64 Museums

7 Biographies

8 Directories

9 General works

98 Collections of theses

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1 Bibliography

12 Bibliography of Manuscripts

12:315 Sanskrit Manuscripts

SAHA (Amritlal Maganlal). *Ed.* Prasasti sangraha. 12:315 15G7

JOLLY (Julius). *Comp.* Die Sanskrit-handschriften, No. 287—413 der K-Hof-und Staatsbibliothek in Munchen. 12:315:J58 113E2

BRITISH MUSEUM. Catalogue of the Sanskrit mss. comp. by Cecil Bendall. 12:315:L57 D2

MAHARAJA'S PALACE LIBRARY. *Trivandrum.* A descriptive catalogue of the Sanskrit mss., ed. by K. Sambasiva Sastri. 2 V. 12:315:L70 G7.1—G7.2

GOVERNMENT ORIENTAL MANUSCRIPTS LIBRARY. *Madras.* Guide to the manuscript collections. 12:315:M47*g* G8

AUFRECHT (Theodor). *Comp.* Florentine Sanskrit manuscripts. 12:315:M9 C2

CURATOR'S OFFICE LIBRARY. *Trivandrum.* A descriptive cat. of Sanskrit mss., ed. by K. Sambasiva Sastri. V. 1. 12:315:N12 G7.1

12:3164 Persian Manuscripts

LIBRARY OF THE INDIA OFFICE. Catalogue of Persian mss. [*comp.*] by Hermann Ethe. V. 2.
12:3164:M80 D3.2

12:328 Arabic Manuscripts

ORIENTAL PUBLIC LIBRARY. *Bankipore.* Catalogue of Arabic and Persian manuscripts. V. 22.
12:328:L91 F0.13

12:331 Tamil Manuscripts

GOVERNMENT ORIENTAL MANUSCRIPTS LIBRARY. *Madras.* Alphabetical index of Tamil mss., etc.
12:331:M47*k* G2

——— ——— Triennial catalogue of manuscripts, Pt. 2. Tamil. V. 5. 1922|23 to 1924|25.
12:331:M47 G6

12:333 Kanarese Manuscripts

GOVERNMENT ORIENTAL MANUSCRIPTS LIBRARY. *Madras.* A descriptive catalogue of the Kanarese mss. by S. Kuppuswami Sastri. V. 1. 12:333:M47 G4.1

12:335 Telugu Manuscripts

GOVERNMENT ORIENTAL MANUSCRIPTS LIBRARY. *Madras.* Alphabetical index of Telugu mss., etc.
12:335:M47*k* G2

——— ——— Descriptive catalogue of the Telugu mss. by M. Rangacharya and S. Kuppuswami Sastri. V. 3—5. 12:335:M47 E5.4—E5.6

——— ——— Triennial catalogue of manuscripts, Pt. 3. Telugu. V. 4. 1921|22—
12:335:M47 G4

INDIA OFFICE LIBRARY. Catalogue of mss. in European languages. V. 2. Pt. 2. Minor collections and miscellaneous mss. [*comp.*] by George Rusby Kaye and Edward Hamilton Johnston.
12:43:M80 E6.4

WOLF (Edwin) II. *Comp.* Descriptive catalogue of the John Frederick Lewis collection of European mss. in the Free Library of Philadelphia, etc.
12:473:M91 G7

14 Bibliography of Printed Books

EMENEAU (M. B.). *Comp.* Union list of printed Indic texts and translations in American libraries.
14:315:73 G5

LIBRARY OF THE INDIA OFFICE. Catalogue. V. 2. Pt. 6. Persian books by A. J. Arberry.
14:3164:M80 G7

BRITISH MUSEUM LIBRARY. Subject index to the modern works added to the library. 1931—1935. 2 V.
14:43:L57 G7.1—G7.2

SEVERANCE (Henry O.). Survey of the resources of the University of Missouri library for research work.
14:473:M99*g* G7

SCHMECKEBIER (Laurence F.). Government publications and their use. 14:573 G6

KELLY (Clara J.). *Comp.* Publications of the University of Washington faculty. Nov. 4, 1816—Mar. 31, 1936. 14:573:M61 G7

2 Library Science

LIBRARY literature: an author and subject index-digest to current books, pamphlets and peridical literature relating to library profession. 1936—
2*am*73:N34

REECE (Ernest J.). The curriculum in library schools. 2b3 G6

LIBRARY ASSOCIATION. *London.* Yearbook. 1938— 2l3:M77*n*

INDIAN LIBRARY ASSOCIATION. Directory of Indian libraries. 1938. 2*n*2:N38

LIBRARY ASSOCIATION OF CHINA. Libraries in China: papers prepared on the occasion of the tenth anniversary of the Library Association of China. 2*u*41:N3 G5

BURTON (Margaret). Famous libraries of the world: their history, collections and administrations, etc. 2*v*1:N3 G7

WILSON (Louis R.). *Ed.* Library trends: papers presented before the library institute at the University of Chicago, Aug. 3—15, 1936. 2*z*7 G7

BROWN (James Duff). Manual of library economy, ed. by W. C. Berwick Sayers. 2 G7

DAVIES (W. Ll.). The National library of Wales: a survey of its history, its contents, and its activities. 2:1*h*32:N09*v*N3 G7

ANDERSON (Ellen L.). *Comp.* Housing and equipment of school libraries. 21:31*a* G7

WELLARD (James Howard). Book selection: its principles and practice, etc. 241 G7

251 Classification

LIBRARY OF CONGRESS. Classification. Class S. Agriculture, plant and animal industry, fish culture and fisheries, hunting sports. 251*q*N04J F8

——— ——— Class P. Subclass PQ. Pt. 1. French literature. 251*q*N04O122 G6

LIBRARY OF CONGRESS. Classification. Class P-PA. Philology, linguistic, classical philology, classical literature. PB-PH. Philology, modern European languages. PJ-PM. Languages and literature of Asia, Africa, Oceania, America; mixed languages, artificial languages. Index to languages and dialects in the volumes P-PA, PB-PH, and PJ-PM. 251*q*N04P F8.1—F8.4

——— ——— Class B. Pt. 2. BL-BX. Religion. 251*q*N04Q F7

——— ——— Class L. Education. 251*q*N04T F9

——— ——— Class G. Geography, anthropology, folklore, manners and customs, sports and games. 251*q*N04U F8

——— ——— Class D. Universal and old world history. D 501—725. European war. 251*q*N04V E6—1

DABAGH (Thomas S.). The mnemonic classification for law libraries. 251*q*N36Z G6

PHILLIPS (W. Howard). Primer of book classification. 251 G8

255 Cataloguing

BISHOP (William Warner). Practical handbook of modern library cataloging. 255 F7

SHARP (Henry A.). Cataloguing. 255 G7

AMERICAN LIBRARY ASSOCIATION, *etc.* Catalog rules: author and tittle entries. 25511*q*N07 D8

2623 Library Rules

INDIA. IMPERIAL RECORD (—department). Rules regulating the access of the public to (i) the records of His Majesty's representative for the exercise of the

functions of the Crown in its relations with Indian States, and (ii) such records relating to British India and tribal areas as are inseparably mixed up with (i) and the records of the Government of India in the custody of the Imperial Record Department. 2623:8 G7

27 Reference Work

McColvin (Lionel R.), *etc.* Library stock and assistance to readers. 27 G6

Cowley (J. D.). The use of reference material: an introd. manual for librarianship students and assistants. 27 G7

3 Cyclopaedias

Encyclopaedia Brittanica: book of the year, etc. 1938. 33:L68 F9.24—1

Auge (Claude), *etc. Eds.* Nouveau petit Larousse illustre dictionnaire encyclopedique. 353:M97 122G8

4 Societies

League of Nations. Handbook of international organisations, associations, bureaux, committees, etc. 1937. 41*n*N21 G8

——— Information Section. Intellectual co-operation. 41:N22*v*N3 G7

5 Periodicals

5*a* Lists of Periodicals

University of Rangoon. Library Committee. *Comp.* A catalogue of periodicals in the university and other libraries of Rangoon with subject index. 5*a*4:8438 G7

502 Indiana Periodicals

INDIAN. V. 1—4. 1934—1937. 502:3:N34

CEYLON literary register. Series 3. V. 1—4. 1931—1935|36. 50298:298:N16

KONINKLIJK BATAVIAASCH GENOOTSCHAP VAN KUNSTEN EN WETENSCHAPPEN. Verhandelingen. D. 73— 1937— 50436:436:L781

ROYAL ASIATIC SOCIETY. MALAYAN BRANCH. Journal. V. 14— 1936— 50436:436:M78

52 Indian Periodicals

520 In Indian Languages

ORIENTAL college magazine. *Lahore.* V. 9— 1932|33— 520152:N25

———. *Lahore.* Urdu section. V. 9— 1932|33— 520168:N25

52031 In Tamil

JNANA sagaram. V. 16—17. 1932|34—1934|36. 52031:N03

VINOTHAN. V. 4—5. 1936—1937. 52031:N33

VINOTHINI. V. 4— 1936— 52035:N33

52: In English

PROGRESSIVE India. V. 1— 1935— 52:N352

ILLUSTRATED India. Nos. 7, 9—33. 1935|36. 52:N353

INDIA. PUBLIC INFORMATION (Director of—). Information series. V. 1— 1937— 52:N37

HINDU herald. V. 1— 1936|37— 52:N371

SIR M. Ct. Muthiah Chettiar high school magazine, Madras. V. 2— 1937|38— 521:N37

JYOTHI. V. 1— 1937|38— 5438:N38

55 European Periodicals

ANNALES de l'universite' de Paris. A. 11—12. 1936—1937. 553:N26

RESEARCH and progress: quarterly review of German science. V. 1—3. 1935—1937. 555:N35

61 Conferences

ORIENTAL CONFERENCE. *India*. 2. *Calcutta*. 1922. Proceedings and transactions. 612:N19 F3

Continued as

INDIAN ORIENTAL CONFERENCE. 5. *Lahore*. 1928. Proceedings and transactions. 2 V. 612:N19 G0.1—G0.2

64 Museums

MARKHAM (S. F.), *etc.* The museums of India. 642 G6

7 Biographies (General)

BRITT (Albert). Great biographers. 7*v*1:N3 G6

BHARATA. Bharatiya mahapurusharu, ed. by P. G. Halakatti. 72:M6 33G3

DOBREE (Bonamy). *Ed.* From Anne to Victoria: essays by various hands. 73:L9 G7

IKBAL ALI SHAH. Controlling minds of Asia. 74:M7 G7

CHURCHILL (Winston S.). Great contemporaries. 75:M5 G7

VENKATANANDAM (G.). Prapancha virulu.
75:M7 35G8

EINSTEIN (Lewis). Divided loyalties: Americans in England during the War of Independence.
773:L4 G3

8 Directories

MADRAS states and Mysore directory. V. 11— 1937—
82102:N27

9 General Works

JACKS (L. P.). My American friends. 9*x*M60 G3

JINARAJADASA (C.). The heritage of our fathers: essays on Indian ideals. 9*x*M85 E8

KERN (Hendrik). Verspreide geschriften, onder zijn Toezicht verzameld. 17 D.
904*x*M33 E3.1—E3.17

98 Theses

UNIVERSITY OF WASHINGTON. Abstracts of theses and faculty bibliography. 1932|37. 9873:M61 G7

A Science (General)

A:P Scientific Terms

CHENNAI MAHANAT TAMILSANGAM. Kalaich chorkal.
A:P31*k* 31G8—G82

NARAYANAN (M.), *etc.* English-Malayalam sanketika nighandu. A:P32*k* 32G8

B Mathematics

The following are the chief divisions under which the books in Mathematics are grouped:—

B*w*	Biographies
B*x*	Collected works
B	General books
B0	From special points of view
B:R1	Mathematical logic
B13	**Theory of numbers**
B2	**Algebra**
B27	Theory of groups
B28	**Theory of statistics**
B280J	For agriculturists
B281	Theory of probability
B285	Correlation
B3	**Analysis**
B31	Foundations
B335	Integral equations
B369	Divergent series
B36M22	Fourier's series
B36M39	Dirichlet's series
B37	**Real variable**
B38	**Complex variable**
B381:6	Conformal representation
B39	Special functions

B42	Calculus of variations
B43	Calculus of functions
B48	Operational calculus
B53	Spherical trigonometry
B6	**Geometry**
B62	Plane geometry
B63	Solid geometry
B64	Four dimensions
B69	Non-Euclidean geometries
B71:2	**Dynamics**
B75	Hydromechanics
B82	Attractions and potentials
B9	**Astronomy**
B9*x*	Collected works
B93	Sun
B96	Stars

B*w* Biographies

SULLIVAN (J. W. N.). Isaac Newton, 1642—1727, with a memoir of the author by Charles Singer. BwK42 G8

BELL (E. T.). Men of mathematics. BwM5 G7

B*x* Collected Works

SRIPATI. Ganitatilaka, with the comm. of Simhatilaka Suri, ed. by H. R. Kapadia. BxD96 15G7

BHASKARACARYA. Lilavati, ed. by Dattatreya Vishnu Apte. BxF14 15G7.1—G7.2

GALILEI (Galileo). Le opera. V. 19. BxJ64 12F9.20

HUMBERT (Georges). Oeuvres, ed. by Pierre Humbert et de Gaston Julia. T. 2. BxM59 122F9.2

NARASINGA RAO (A.). Ramaswami Aiyar's notebooks. BxM71:9 G7

B General Books

HOGBEN (Lancelot). Mathematics for the million: a popular self-educator, etc. B G7

COOLEY (Hollis R.), *etc.* Introd. to mathematics: a survey emphasizing mathematical ideas and their relations to other fields of knowledge. B G71

B0 From Special Points of View

COURANT (R.), *etc.* Methoden der mathematischen Physik. 2 B. B0C 113G1.1 & 113F4.2

ALLEN (R. G. D.). Mathematical analysis for economists. B0X G8

B:R1 Mathematical Logic

CARNAP (Rudolf). The logical syntax of language, tr. by Amethe Smeaton (Countess von Zeppelin). B:R1 G7

LANGER (Susanne K.). Introd. to symbolic logic. B:R1 G71

TARSKI (Alfred). Einfuhrung in die mathematische Logik und in die Methodologie der Mathematik. B:R1 113G7

B13 Theory of Numbers

PSENNER (Ing. Wilhelm). Allgemeiner Beweis des grossen fermatischen Satzes. B13:5K37 113G8

KAVAN (George). Factor tables giving the complete decomposition into prime factors of all numbers upto 256,000, etc. B132:1*e* G7

LANDAU (Edmund). Uber einige neuere Fortschritte der additiven Zahlen Theorie. B135:5 113G7

B2 Algebra

LEVI (Friedrich Wilhelm). Algebra. Pts. 2—5 in 2 V. B2 G6.2—G6.3

B27 Theory of Groups

CARMICHAEL (Robert D.). Introd. to the theory of groups of finite order. B271 G7

B28 Theory of Statistics

ANNALS of mathematical statistics. V. 8— 1937— B28*m*73:N30

STAMP (Josiah). The national capital and other statistical studies. B28*z*7 G7

DAVENPORT (C. B.), *etc.* Statistical methods in biology, medicine and psychology. B28 G6

YULE (G. Udny), *etc.* Introd. to the theory of statistics. B28 G71

WHITTAKER (E. T.), *etc.* Calculus of observations: a treatise on numerical mathematics. B28 G72

B280J For Agriculturists

LOVE (Harry H.). Application of statistical methods to agricultural research. B280J G61

YATES (F.). The design and analysis of factorial experiments. B280J G7

SNEDECOR (George W.). Statistical methods, applied to experiments in agriculture and biology. B280J G8

B281 Theory of Probability

FISHER (Arne). Mathematical theory of probabilities and its application to frequency curves and statistical methods, tr. by Charlotte Dickson and William Bonynge, etc. V. 1. B281 G61.1

CRAMER (Harold). Random variables and probability distributions. B281 G7

MONTGOMERY (J. K.). The mathematical problem of the price index. B284 G7

B285 Correlation

EZEKIEL (Mordecai). Methods of correlation analysis. B285 G0

B3 Analysis

FITE (W. Benjamin). Advanced calculus. B3 G8

B31 Foundations

LUSIN (Nicolas). Lecons sur les ensembles analytiques et leurs applications, avec une note de M. Sierpinski, etc. B313 122G0

SEIFERT (H.), *etc.* Lehrbuch der Topologie. B316 113G4

STOILOW (S.). Lecons sur les principes topologiques de la theorie des fonctions analytiques, etc. B316 122G8

B335 Integral Equations

LICHTENSTEIN (Leon). Vorlesungen uber einige Klassen nichtlinearer Integralgleichungen und Integro-differential-gleichungen. B335 113G1

B369 Divergent Series

MOORE (Charles N.). Summable series and convergence factors, etc. B369 G8

KARAMATA (J.). Sur les theoremes inverses des procedes de sommabilite. B369 122G7

B36M22 Fourier's Series

TITCHMARSH (E. C.). Introd. to the theory of Fourier integrals. B36M22 G7

B36M39 Dirichlet's Series

BERNSTEIN (Vladimir). Lecons sur les progres recents de la theorie des series de Dirichlet, etc.
B36M39 122G3

B37 Real Variable

KESTELMAN (H.). Modern theories of integration.
B37:1N02 G7

HOBSON (E. W.). Theory of functions of a real variable and the theory of Fourier's series. 2 V.
B371 F71.1—F71.2

NEVANLINNA (Rolf). Eindeutige analytische Funktionen.
B371 113G6

B38 Complex Variable

MONTEL (Paul). Lecons sur les fonctions univalentes ou multivalentes ... recueillies et redigrees par F. Marty avec une note de Henri Cartan.
B38:5 122G3

BOURION (Georges). L'ultraconvergence dans les series de Taylor. B381:3 122G7

FORD (Walter B.). The asymptotic developments of functions defined by Maclaurin series.
B381:4 G6

B381:6 Conformal Representation

CARATHEODORY (C.). Conformal representation, tr. by B. M. Wilson and Margaret Kennedy.
B381:6 G2

JULIA (Gaston). Lecons sur la representation conforme des aires simplement connexes. B381:6 122G1

——— Lecons sur la representation conforme des aires multiplement connexes, ed. by Georges Bourion et Jean Leray. B381:6 122G41

B39 Special Functions

FERIET (J. Kampe de). La fonction hypergeometrique. B396M12 122G7

GONTCHAROFF (W.). Determination des fonctions entieres par interpolation. B396M31 122G7

NEVANLINNA (Rolf). Theoreme de Picard-Borel et la theorie des fonctions meromorphes. B399M42 122F92

SINGH (A. N.). The theory and construction of non-differentiable functions. B399M75 G5

MANDELBROJT (S.). Series de Fourier et classes quasi-analytiques de fonctions, etc. B399N17 122G5

B42 Calculus of Variations

CARATHEODORY (Constantin). Variationsrechnung und partielle Differentialgleichungen erster Ordnung. B42 113G5

B43 Calculus of Functions

VOLTERRA (Vito), *etc.* Theorie generale des fonctionnelles. T. 1. Generalites sur les fonctionnelles theorie des equations integrales. B43 122G6.1

B48 Operational Calculus

DAVIS (Harold T.). The theory of linear operators, from the standpoint of differential equations of infinite order. B48 G6

VOLTERRA (Vito), *etc.* Operations infinitesimales lineaires: applications aux equations differentielles et fonctionnelles. B48 122G8

B53 Spherical Trigonometry

JHA (Nilambara). Gola-prakasa or a work on spheric. corr. and ed. by Bapudeva Sastri. B53 15A

B6 Geometry

MORRIS (Max), *etc.* Analytic geometry and calculus. B6:23 G7

WIRTINGER (Wihelm). Allgemeine Infinitesimalgeometrie etc. B6:32 113F6

B62 Plane Geometry

O'HARA (C. W.), *etc.* An introd. to projective geometry. B622:7 G7

DELVENDAHL (Otto). Uber Kurven von Beschrankter Ordnung. B627 113G8

B63 Solid Geometry

MAHAJANI (G. S.). The application of moving axis methods to the geometry of curves and surfaces. B63:34 G7

NARASINGA RAO (A.). On the contact of varieties in n-space. B636 G6

B64 Four Dimensions

HINTON (C. Howard). The fourth dimension. B64 G4

TELLING (H. G.). The rational quartic curve in space of three and four dimensions, being an introd. to rational curves. B64 G6

B69 Non-Euclidean Geometries

SCHILLING (Friedrich). Pseudospharische hyperbolisch-spharische und elliptisch-spharische Geometrie. B69 113G7

WEATHERBURN (C. E.). Introd. to Riemannian geometry and the tensor calculus. B692:463 G8

LAMB (Horace). Statics, including hydrostatics and the elements of the theory of elasticity. B7:3 F8

B71:2 Dynamics

LAMB (Horace). Dynamics. B71:2 F9

WHITTAKER (E. T.). Treatise on the analytical dynamics of particles and rigid bodies, with an introd. to the problem of three bodies. B71:2 G7

B75 Hydromechanics

VILLEY (Jean). Proprietes generales des fluides moteurs. B75:2 122G6

JONES (Bradley). Elements of practical aerodynamics. B78:2 G6

ERTEL (H.). Methoden und Probleme der dynamischen Meteorologie. B78:2 113G8

B82 Attractions and Potentials

GUNTHER (N. M.). La theorie du potential et ses applications aux problemes fondamentaux de la physique mathematique. B82 122G4

B9 Astronomy

ROYAL ASTRONOMICAL SOCIETY. Monthly notices: Geophysical supplement. V. 1—4. 1922—1937. B9*m*3:M201

SWAMIKANNU PILLAI (L. D.). Indian ephemeris, showing the daily solar and lunar reckoning according to the principal systems current in India with their English equivalents also the ending moments of tithis and nakshatras and the years in different eras, A.D. Hijra, Saka, Vikrama, Kaliyuga, Kollam, etc. with a perpetual planetary almanac and other auxilary tables. V. 7. 1800—1999. B9*n*2 F2,8

ROYAL OBSERVATORY. *Greenwich.* Observations. 1925. B9*r*3 F7

——— Astronomical results from observations. 1925. B9*r*3:1 F7

WATERFIELD (Reginald L.). Hundred years of astronomy. B9*v*1:N3 G8

B9*x* Collected Works

ARYABHATTA II. Mahasiddhanta: a treatise on astronomy ed. with his own comm. by Sudhakara Dvivedi. B9*x*E50 15E0

BHASKARACHARYA. Siddhanta siromani, ed. with the comm. Prabha, Bhashabhashya, Upapatti by Girijaprasad Dvivedi. 2 V. B9*x*F14 152E1.1—E1.2

JHA (Buddhi Nath). Tippanivivaranam: a comm. on the Goladhyaya of the Siddhanta Siromani. B9*x*F14:9 15E2

KEPLER (Johannes). Das weltgeheimnis mysterium cosmographicum, ubersetz... von Mar Caspar. B9*x*J71 113G6

BHATTA KAMALAKARA. Siddhanta-tattva-viveka: a treatise on astronomy, with Seshavasana by the same author, with notes by Sudhakara Dvivedi, ed. with his own notes by Muralidhara Jha ... criticisms on Seshavasana by Muralidhara Thakur. B9*x*K16 15G5

KETKAR (V. B.). Jyotirganitam, ed. by D. V. Ketkar. B9*x*M50 15G7—G72

GUNTHER (R. T.). Early science in Oxford. V. 5. Chaucer and Messahalla on the astrolabe. B9:2*ex*H40 F9

VISVESVARA DATTA. Gola tattva prakasika with Hindi comm. B9:5 152F7

DYSON (Frank), *etc.* Eclipses of the sun and moon. B9:57 G7

INDIA. SURVEY (Department of—). Tide-tables of the Indian ocean. 1938— B9:78*n*91:M86

HUBBLE (Edwin P.). Our sample of the universe, etc. B9:8 G7

B93 Sun

MITCHELL (S. A.). Eclipses of the sun. B93:57 G5

B96 Stars

FABRY (Ch.). Les principes de la photometrie en astronomie et en physique. B96:652 122G4

HUBBLE (Edwin). The realm of the nebulae. B964:6 G6

BOK (Bart J.). The distribution of the stars in space. B964:8 G7

C Physics

The following are the chief divisions under which the books in Physics are grouped:—

C*w*	Biographies
C*x*	Collected works
C2	**Properties of matter**
C21:5	Elasticity of solids
C216	Crystals
C285:9	Application of molecular rays
C3	Sound
C4	Heat
C47	Thermodynamics
C5	**Light. Radiation**
C56:3	Spectra of infra-red rays
C6	Electricity
C7	Magnetism
C8	Hypothesis about matter, energy, space and time
C82N26	Wave mechanics
C83	Hypotheses about matter.
C84N015:3	Spectra in quantum theory
C8N05	Theory of relativity

ROLT (F. H.). Gauges and fine measurements, with introd. note by J. E. Sears, Jr., ed. by R. T. Glazebrook. 2 V. C*e* F9.1—F9.2

WELD (Le Roy D.). *Comp.* and *ed.* Glossary of physics. C*k* G7

EINSTEIN (Albert), *etc.* Evolution of physics: the growth of ideas from the early concepts to relativity and quanta. C*v*1:N2 G8

Cw Biographies

GUNTHER (R. T.). Early science in Oxford. V. 10. Life and work of Robert Hooke. Pt. 4. Tract on capillary attraction, 1661, diary, 1688 to 1693. CwK35 G0.4

THOMSON (J. J.). Recollections and reflections. CwM56 G6

CURIE (Eve). Madame Curie, tr. by Vincent Sheean. CwM67 G8

Cx Collected Works

SWEDENBORG (Emanuel). The minor principia or the first principles of natural things deduced from experiments and geometry or a posteriori and a priori, tr. by Isaiah Tansley. CxK88 E3

TANSLEY (Isaiah). Introd. to the "Principia" of Emanuel Swedenborg, etc. CxK88:9 E2

DONNAN (F. G.), *etc. Eds.* A comm. on the scientific writings of J. Willard Gibbs. 2 V. CxM39:9 G6.1—G6.2

LORENTZ (H. A.). Collected papers. V. 5—6. CxM53 G4.5—G4.6

BALANKESWARA ROW (A.). *Comp.* Telugu equivalants of technical terms in physics. C:P35*k* 35G8

WATSON (W. H.). On understanding physics. C:R1 G8

C2 Properties of Matter

TRILLAT (Jean J.). Momentselectriques, adsorption et lubrification. C2:80C6 122G8

C21:5 Elasticity of Solids

SUDRIA (J.). L'action euclidienne de deformation et de mouvement. C21:5 122G5

GEIRINGER (Hilda). Fondements mathematiques de la theorie des corps plastiques isotropes.
C21:5 122G7

C216 Crystals

MOREAU (Georges). Les deformations elastiques et plastiques des reseaux cristallins. C216:5 122G7

LEHMANN (O.). Flussige Kristealle sowil Plastizitat von Kristallen etc. C216:55 113D4

BRAGG (W. L.). Atomic structure of minerals.
C216:8 G7

ADAM (Neil Kensington). Physics and chemistry of surfaces. C25:6 G8

C285:9 Application of Molecular Rays

FRASER (R. G. J.). Molecular beams. C285:9 G7

C3 Sound

JONES (Arthur Taber). Sound. C3 G7

C4 Heat

ZEMANSKY (Mark W.). Heat and thermodynamics, etc.
C4 G7

RUHEMANN (M.), *etc.* Low temperature physics.
C421 G7

C47 Thermodynamics

FERMI (Enrico). Thermodynamics. C47 G8

LANDAU (L.), *etc.* Statistical physics, tr. by D. Shoenberg. C47 G81

VILLEY (Jean). Les principes des moteurs thermiques, etc. C47 122G5

——— Le rendement des moteurs thermiques.
C47 122G6

LICHTY (Lester C.). Thermodynamics: the principles of thermodynamics and their application to engineering processes. C470D G6

YOUNG (Vincent W.), *etc.* Elementary engineering thermodynamics. C470D G61

C5 Light. Radiation

OPTICAL SOCIETY OF AMERICA. Journal. Cumulative index. V. 1—25. 1917—1935. C5*m*73:N16*a* G8

MONK (George S.). Light: principles and experiments. C5 G7

JENKINS (Francis A.), *etc.* Fundamentals of physical optics. C5:1 G7

SYNGE (J. L.). Geometrical optics: an introd. to Hamilton's method. C5:1 G71

FORSYTHE (W. E.). *Ed.* Measurement of radiant energy, etc. C5:2 G7

C56:3 Spectra of Infra-Red Rays

SUTHERLAND (G. B. B. M.). Infra-red and Raman spectra. C56:3 G5

C6 Electricity

PIDDUCK (F. B.). Lectures on the mathematical theory of electricity. C6 G7

HENRIOT (E.). Les couples de radiation et les moments electromagnetiques. C6:8 122G6

C7 Magnetism

FOEX (G.). Les lois experimentales du paramagnetisme. C73 122G5

BITTER (Francis). Introd. to ferromagnetism. C74 G7

C8 Hypothesis about Matter, Energy, Space, and Time

REICHINSTEIN (David). Albert Einstein: a picture of his life and his conception of the world, tr. by M. Juers and D. Sigmund. C8*w*M79 G4

WEIL (E.). *Comp.* Albert Einstein: a bibliography of his scientific papers, 1901—1903. C8*x*M79*a* G7

INFELD (Leopold). The world in modern science: matter and quanta, tr. by Louis Infield, etc. C8 G4

C82N26 Wave Mechanics

EDDINGTON (Arthur). Relativity theory of protons and electrons. C82N26 G61

FEATHER (N.). Introd. to nuclear physics. C82N26 G62

LANDE (Alfred). Principles of quantum mechanics. C82N26 G7

KEMBLE (Edwin C.). Fundamental principles of quantum mechanics with elementary applications. C82N26 G71

SWIRLES (Bertha). Construction of zero order wave functions for complex atoms. C82N26 G8

DUSHMAN (Saul). Elements of quantum mechanics. C82N26 G81

VON KRBEK (Franz). Grundlagen der Quantenmechanik und ihre Mathematik. C82N26 113G6

FROHLICH (Herbert). Elektronen Theorie der Metalle. C82N26 113G61

BUHL (A.). Analogies corpusculaires et ondulatoires. C82N26 122G71

WEYL (Hermann). The theory of groups and quantum mechanics, tr. by H. P. Robertson. C82N260B27 G1

C83 Hypotheses about Matter

KENNARD (Earle H.). Kinetic theory of gases with an introd. to statistical mechanics. C83M57 G8

YATES (Raymond F.). These amazing electrons. C83M95 G7

CLARK (C. H. Douglas). A comprehensive treatise of atomic and molecular structure. V. 1. The electronic structure and properties of matter: an introd. study of certain properties of matter in the light of atomic numbers. C83M950E G4

RUTHERFORD (*Lord*). The newer alchemy, based on the Henry Sidgwick memorial lecture delivered at Newnham College, Cambridge, Nov. 1936. C83M96 G7

RASETTI (Franco). Elements of nuclearphysics. C83M96 G71

GAMOW (G.). Structure of atomic nuclei and nuclear transformations. (*Previously published as* Constitution of atomic nuclei and radio activity). C83M96 G72

C84N015:3 Spectra in Quantum Theory

CANDLER (A. C.). Atomic spectra and the vector model. 2 V. C84N015:3 G7.1—G7.2

HERZBERG (Gerhard). Atomic spectra and atomic structure, tr. ..., by J. W. T. Spinks. C84N015:3 G71

C8N05 Theory of Relativity

McVITTIE (G. C.). Cosmological theory. C8N05 G7

SHABDE (N. G.). General field theory of Schouten and van Dantzig. C8N05 G8

D Engineering

The following are the chief divisions under which the books in Engineering are grouped:—

D::11	Structural mechanics
D1	**Buildings**
D11	Wood
D16	Concrete
D18	Metals
D2	**Irrigation**
D4153:5	Curves in railways
D416	Bridge engineering
D6	**Mechanical engineering**
D64:C47	Thermodynamics of heat-engines
D646	Internal combustion engines
D6466	Diesel engines
D66	**Electrical engineering**
D66:2	Transmission
D666	**Wireless**
D666:45	Television
D666:48	Radio-telephony
D8	**Sanitary engineering**
D85	Water supply
D866	Sewage disposal

DEMAG news. Complete Index. 1927—1937.
Dm55:N27*a* G8

D::11 Structural Mechanics

JENSEN (Alfred). Moment equations: a method of analysis for continuous beams and rigid frames.
D::11 G7

BISHOP (Carlton Thomas). Structural design. D::11 G8

MILLER (Alfred Lawrence). The solution of rigid frames of members of constant section by the theorem of joint translation. D::113 G6

BREED (Charles B.), *etc.* The principles and practice of surveying. V. 2. D::2 G1.2

MOORE (Herbert F.). Textbook of the materials of engineering, with a chap. on concrete by Harrison F. Gonnerman and a chap. on the crystalline structure of metals by Jasper O. Draffin. D::3 G6

D1 Buildings

MITCHELL (Charles F.). Building construction and drawing ... rev. by George A. Mitchell, etc. D1 G4; G6

MOYER (James A.), *etc.* Air conditioning. D1:9 G3

DALZELL (J. Ralph), *etc.* Air conditioning: insulation: treats of the principles and applications of insulation as used to retard heat losses and gains and to guard against fire, sound, vibration, condensation and termites in buildings. D1:9 G7

WILSON (George Samuel), *etc.* Evaporative and surface cooling. D1:94 G7

UNITED STATES. STANDARDS (National bureau of—). Code for protection against lightning. D1:95*q*73 G7

D11 Wood

KAMESAM (S.). Special factors affecting timber design. D11 G7

——— Wood versus steel for framed buildings. D110D18 G7

KAMESAM (S.). How to build fire-resistant timber structures. D110E2131 G7

——— Truth about fire hazard in timber structures. D110E2131 G71

——— How to build wooden earthquake and storm proof houses. D110H4132 G7

——— Treated timber for earthquake resistant structures. D110H4132 G71

——— Wood's challenge to steel and concrete. D11::32 G7

——— Relative economy of wood, steel and concrete structures. D11::6 G7

——— Treated wood for flooring. D11:3 G7

——— Treated wood for walls and ceilings. D11:41 G7

——— Treated wood poles for electric distribution and service. D11:450D66:5:4 G7

——— Relative cost of treated electric poles and overhead construction in India and abroad. D11:450D66:5:4 G71

——— Treated wood for roof trusses. D11:61 G7

——— Cheaper and better gable roofing with wood shingles. D11:63 G7

——— Better and cheaper fencing. D11:995:6 G7

HENNES (Robert Graham). Analysis and control of landslides. D12::11 G6

D16 Concrete

PROBST (E.). Principles of plain and re-inforced concrete construction. D16::11 G6

MANNING (G. P.). Reinforced concrete design. D16::4 G6

D18 Metals

GRINTER (Linton E.). Theory of modern steel structures. 2 V. D18::11 G6.1—G6.2

TAPSELL (H. J.). Creep of metals. D18::32:C4 G1

D2 Irrigation

INDIA. LABOUR (Department of—). Irrigation in India: review. 1933|36. D2*r*2 G8

UNITED PROVINCES. PUBLIC WORKS (—dept.). IRRIGATION BRANCH. Administration report. D2*r*252

HOYT (W. G.), *etc.* Studies of relations of rainfall and run-off in the United States. D260U2855*u*73 G6

JARVIS (Clarence S.), *etc.* Floods in the United States: magnitude and frequency. D26::155*u*73 G6

CANTRILL (T. C.). Coal mining. D3551 E4

D4153:5 Curves in Railways

SIMS (A. M.). Wear of rails on curves and check-rail clearances required on curves of 4° and sharper. D4153:5 G7

PROCTER (E.). The determination of the permissible speeds on curves. D4153:5 G71

MARTIN (R. H.). Report on investigation into modern methods of introducing transition curves economically into existing lines of railway. D4153:5 G72

D416 Bridge Engineering

SPOFFORD (Charles M.). The theory of continuous structures and arches. D416::117 G7

KAMESAM (S.). Treated timber bridges for Indian highways and railways. D4161 G7

D6 Mechanical Engineering

ALLEN (T.). Uniflow, back-pressures and steam extraction engines: a complete treatise for designers, works engineers and students. D6:11:4 G1

ATHERTON (William H.). Conveying machinery. D6:73 G7

HAM (C. W.), *etc.* Mechanics of machinery. D62:B7 G8

D64:C47 Thermodynamics of Heat Engines

LEWITT (E. H.). Thermodynamics applied to heat engines: a textbook covering the syllabuses of the B.Sc. (Eng.) and I. Mech. E. examinations in the subject. D64:C47 G7

MANCHESTER STEAM USERS' ASSOCIATION. Memorandum by the Chief Engineer. 1907—1930. D641*m*3:M54

D646 Internal Combustion Engines

PYE (D. R.). Internal combustion engine. 2 V. D646 G4.1—G4.2

JUDGE (Arthur W.). Automobile and aircraft engines. D646 G6

YOUNG (S. J.), *etc.* The testing of internal combustion engines. D646:::81 G6

RICARDO (Harry R.). Engines of high output: thermodynamic considerations. D646:C47 F9

D6466 Diesel Engines

ADAMS (Orville). Elements of diesel engineering, etc. D6466 G6

PURDAY (H. F. P.). Diesel engine design. D6466 G7

JUDGE (Arthur W.). High speed diesel engines, with sp. ref. to automobile and aircraft types, etc.
D6466 G71

D66 Electrical Engineering

LAWS (Frank A.). Electrical measurements.
D66*e* G8

PENDER (Harold), *etc. Eds.* Electrical engineers' handbook. V. 4. Electric power. D66*g* G6

ELECTRICAL review: trade names supplement. 1932|1936—
D66*m*3:M721

TAYLOR (E. Openshaw). Utilisation of electric energy.
D66 G7

HORWOOD (W. L.). Electrical technology. D66 G71

MAGNUSSON (Carl Edward). Hydroelectric power in Washington. Pt. 4. Regional electric-power transmission, the Grid system. D66:1135*u*7311 F4.4

D66:2 Transmission

SMITH (George Sherman). Transmission line design. Pt. 1. Mechanical features. Sec. B. Mechanical design of spans with supports at unequal elevation.
D66:2 G6.2

COTTON (H.). The transmission and distribution of electrical energy. D66:2 G7

WOODRUFF (L. F.). Principles of electric power transmission. D66:2 G8

ROBINSON (D. M.). Dielectric phenomena in high voltage cables, etc. D66:31:C63 G6

PENDER (Harold), *etc. Eds.* Electrical engineers' handbook. V. 5. Electric communication and electronics. D66:4*g* G6

MEARES (J. W.). The law relating to electrical energy in India and Burma, being the Indian electricity act, 1910, act IX of 1910; in Burma, the electricity act, etc. D66:Z2 G7

WEINBACH (M. P.). Alternating current circuits. D664 G3

SAY (M. G.), *etc.* The performance and design of alternating current machines: transformers, three-phase induction motors and synchronous machines. D664 G6

LANGSDORF (Alexander S.). Theory of alternating-current machinery. D664 G7

D666 Wireless

PALMER (L. S.). Wireless engineering. (*Previously published as* Wireless principles and practice). D666 G6

McARTHUR (E. D.). Electronics and electron tubes. D666:33 G6

EASTMAN (Austin V.). Fundamentals of vacuum tubes. D666:33 G7

MOYER (James A.), *etc.* Radio receiving and television tubes, including applications for distant control of industrial processes and precision measurements. D666:4 G6

D666:45 Television

VON ARDENNE (Manfred). Television reception: a construction and operation of a cathode ray tube receiver for the reception of ultra-short wave television broadcasting, tr. by O. S. Puckle. D666:45 G6

REYNER (J. H.). Television: theory and practice. D666:45 G7

MALOFF (I. G.), *etc.* Electron optics in television, with theory and application of television cathode ray tubes. D666:45 G8

MYERS (L. M.). Television optics: an introd. D666:45 G81

D666:48 Radio-Telephony

GUTTON (C.). Lignes telephoniques. D666:48 122G4

HENDRIX (William Samuel). A project in the reception of cultural short wave broadcasts from Spanish America, with some attention to broadcasts from Europe. D666:485 G8

TERMAN (Frederick Emmons), *etc.* Fundamentals of radio. D666:485 G81

LITVINENKO (A. S.). Dictionary of radio terminology in the English, German and Russian languages, ed. by V. 1. Bashenoff. D666:P*k* G7

D8 Sanitary Engineering

THEROUX (Frank R.), *etc.* Laboratory manual for chemical and bacterial analysis of water and sewage. D8:E3 G6

D85 Water Supply

METROPOLITAN WATER BOARD. *London.* Annual report on the results of the chemical and bacteriological examination of the London waters. 29—31 1934—1936. D85*r*3124

AMERICAN PUBLIC HEALTH ASSOCIATION, *etc.* Standard methods for the examination of water and sewage. D85:E G6

URBACH (Carl). Stufenphotometrische Trinkwasseranalyse. D85:E3 113G7

HASTINGS (Anna B.). Biology of water supply.
D85:G G7

WATER POLLUTION RESEARCH BOARD. *Great Britain.* Survey of the river Tees. 3 pts.
D854*u*3:N3 G1.1—G1.3

RYAN (William J.). Water treatment and purification.
D855 G7

D866 Sewage Disposal

FOLWELL (A. Prescott). Sewerage: the designing, constructing and maintaining of sewerage systems and sewage treatment plants. D866 G6

E Chemistry

The following are the chief divisions under which the books in Chemistry are grouped:—

E1:1	Inorganic chemistry
E1:5	Organic chemistry
E2	**Physical chemistry**
E2136	Ionisation
E22	Solutions
E235	Colloids
E3	Analytical chemistry
E4	Synthetic chemistry
E7	**Biochemistry**
E7:6	Biochemistry of carbohydrates.
E7:9	Biochemistry of biosubstances
E7:982	Biochemistry of enzymes

PILCHER (Richard B.). Profession of chemistry.
E*b*:3:N3 G8

CHEMIST'S yearbook. 1923; 1938— E*n*3:N15

MIALL (Stephen), *etc.* Chemistry, matter and life.
E G7

E1:1 Inorganic Chemistry

SITARAMAN (M. L.). Practical chemistry.
E1:1*y*8 G8

MELLOR (J. W.). A comprehensive treatise on inorganic and theoretical chemistry. V. 16. E1:1 F2.16

E1:5 Organic Chemistry

HEILBRON (I. M.), *etc. Eds.* Dictionary of organic compounds: the constitution and physical and chemical properties of the principal carbon compounds and their derivatives, together with the relevant literature references. 3 V. E1:5*k* G4.1—G4.3

HOLLEMAN (A. F.). Textbook of organic chemistry. E1:5 F5

COHEN (Julius B.). Organic chemistry for advanced students. Pt. 3. Synthesis. E1:5 F81.3

HICKINBOTTOM (Wilfred John). Reactions of organic compounds. E1:5 G6

KARRER (Paul). Lehrbuch der organischen Chemie. E1:5 113G7

FIESER (L. F.). A supplement to the chemistry of natural products related to phenanthrene, being a reprint of the appendix of recent literature, to the publication date, January 1, 1937, and rev. indexes with page ref. to the first edn. E1:713 G7

E2 Physical Chemistry

PHYSICO-CHEMICAL SOCIETY OF JAPAN. Review of physical chemistry of Japan with complete abstracts of the physico-chemical literature. V. 11— 1937— E2*m*42:N27

STEWART (Alfred W.). Some physico-chemical themes. E2 F21

LEWIS (William C. McC.). System of physical chemistry. 2 V. E2 F52.1—F52.2

GLASSTONE (Samuel). Recent advances in physical chemistry. E2 G1

WATERS (William A.). Physical aspects of organic chemistry, etc. E2 G7

E2136 Ionisation

GURNEY (R. W.). Ions in solution. E2136 G6

KORDATZKI (W.). Taschenbuch der praktischen pH=Messung fur wissenschaftliche laboratorien und technische Betriebe. E2136 113G5

JORGENSEN (Holger), *etc.* Die Bestimmungen der Wasserstoffionen-konzentration (pH) und deren Bedeutung fur Technik und Landwirtschaft. E2136 113G51

E22 Solutions

RAKSHIT (Jitendra Nath). Association theory of solution and inadequacy of dissociation theory. E22 G0

GIBSON (R. E.). Nature of solutions and their behavior under high pressures, etc. E2201 G8

E235 Colloids

SAUER (E.). Kolloidchemisches Praktikum. E235*y*8 113G5

STILLWELL (Charles W.). Crystal chemistry. E28 G8

E3 Analytical Chemistry

MORTON (R. Alan). Two lectures on practical aspects of absorption spectrophotometry. E305*z*7 G8

BRENNECKE (E.), *etc.* Neuere massanalytische Methoden. E33 113G7

PARISELLE (H.). Polarimetrie et chimie. E3305 122G6

SNELL (Foster Dee), *etc.* Colorimetric methods of analysis, including some turbidimetric and nephelometric methods. V. 1. Inorganic. E3405:1 G6

SNELL (Foster Dee), *etc.* Colorimetric methods of analysis including some turbidimetric and nephelometric methods. V. 2. Organic and biological.
E3405:5 G7

KOLTHOFF (I. M.), *etc.* Textbook of quantitative inorganic analysis. E34:1 G7

EMICH (Friedrich). Microchemical laboratory manual, with a section on spot analysis, by Fritz Feigl, tr. by Frank Schneider. E39*y*8 G2

E4 Synthetic Chemistry

BLANCHARD (Arthur A.), *etc.* Synthetic inorganic chemistry. **E4:1 G6**

E7 Biochemistry

HOPKINS (Frederick Gowland). *Ded.* Perspectives in biochemistry: thirty-one essays presented by his past and present members of his laboratory, ed. by Joseph Needham and David E. Green.
E7*j*M26 G7

BERTHO (A.), *etc.* Biochemisches Praktikum.
E7*y*8 113G6

WILLIAMS (Roger J.). An introd. to biochemistry.
E7 G13

BALDWIN (Ernest). An introd. to comparative biochemistry, etc. E7 G7

HOLMES (Eric). The metabolism of living tissues.
E7 G71

BOMER (A.), *etc.* *Bearbt.* Allgemeine untersuchungs methoden. 2 T. E7 113G3.2—G3.3

LEHNARTZ (E.). Einfuhrung in die chemische Physiologie. E7 113G7

E7:6 Biochemistry of Carbohydrates

OHLE (Heinz). Die Chemie der Monosaccharide und der Glykolyse. E7:681 113G1

NORMAN (A. G.). The biochemistry of cellulose, the polyuronides lignin, etc. E7:6894 G7

E7:9 Biochemistry of Biosubstances

LETTRE (H.), *etc.* Uber Sterine, Gallensauren und Verwant-naturstoffe Herzgifte, Hormone, Saponine und Vitamin D, etc. E7:93K 113G6

BULL (Henry B.). The biochemistry of the lipids. E7:96 G7

E7:982 Biochemistry of Enzymes, etc.

FERMENT Forschung. B. 15— 1936|38— E7:982*m*55:N14

NORD (F. F.), *etc.* *Hrsg.* Ergebnisse der Enzymforschung. Bd. 7. E7:982 G2.7

TAUBER (Henry). Enzyme chemistry. E7:982 G7

MELDRUM (Norman U.). Cellular respiration. E7:9821 G4

WENT (F. W.), *etc.* Phytohormones. E7:986J G7

ZECHMEISTER (L.), *etc.* Die chromatographische Adsorptions-methode: Grundlagen, Methodik, Anwendungen. E7232 113G7

F Technology

SHERWOOD (Thomas K.). Absorption and extraction.
F:97 G7

HOUWINK (R.). Elasticity, plasticity and structure of matter, tr. by Mrs. H. E. Teves-Acly, with a chap. on the plasticity of crystals by W. G. Burgers.
F:C2:5 G7

NASH (Alfred W.), *etc.* Principles of motor fuel preparation and application. V. 1. F5552 G3.1

MITCHELL (C. Ainsworth). Vinegar: its manufacture and examination. F5964 F6

MENON (A. K.). Manufacture of soap in India.
F9496 G8

PACIFIC NORTHWEST CHEMURGIC CONFERENCE. 1. *Washington.* 1937. Report. FJ*p*735:N37 G7

DOUMANI (Thomas). *Comp.* Wood chemical industries of Washington etc. FJA G7

G Natural Science (General) and Biology

The following are the chief divisions under which the books in this subject are grouped:—

G:33C5	Mitogenetic radiation
G:5	General ecology
G:5:1951	Fresh-water life

TOKYO BUNRIKA DAIGAKU. Science reports. Section C. V. 1— 1932|37— Gm42:N37

GUNTHER (R. T.). Early science in oxford. V. 3. Pt. 1. Biological sciences. 2 Biological collections. Gv3:M9 F5

JEFFERIES (Richard). Out-of-doors with Richard Jefferies: an anthology. Gy7 G5

LEE (Bolles). Microtomist's vade-mecum: a handbook of the methods of animal and plant microscopic anatomy, ed. by J. Bronte Gatenby and Theophilus S. Painter. G:19 G7

GATENBY (J. Bronte). Biological laboratory technique: an introd. to research in embryology, cytology and histology. G:19 G71

G:33C5 Mitogenetic Radiation

HOLLAENDER (Alexander), *etc.* An experimental study of the problem of mitogenetic radiation. G:33C5y8 G7

GURWITSCH (Alexander), *etc.* Die mitogenetische Strahlung zugleich zweiter Band der, "Probleme der Zellteilung". G:33C5 113G2

G:5 General Ecology

ECOLOGICAL SOCIETY OF AMERICA. Ecology, etc. V. 9. 1928. G:5*m*73:N151

G:5:1951 Fresh-Water Life

NEEDHAM (James G.), *etc.* Life of inland waters. G:5:1951 G0

——— Guide to the study of fresh-water biology, with sp. ref. to aquatic insects and other invertebrate animals and phyto-plancton. G:5:1951 G8

LENZ (Friedrich). Einfuhrung in die Biologie der Susswasserseen. G:5:1951 113F8

BLAKESLEE (Albert F.) and AVERY (Amos G.). Methods of inducing doubling of chromosomes in plants. G:61*y*8 G8

CRILE (George). Phenomena of life: a radio-electric interpretation, ed. by Amy Rowland. G1:C G6

H Geology

The following are the chief divisions under which the books in Geology are grouped:—

H*u*72	Geological survey of Canada
H1	Mineralogy
H2	Petrology
H4	Dynamic geology
H422	Action of water
H5	Stratigraphy
H69	Mammalian paleontology
H7	Economic geology
H7*u*	Survey
H7118	Gold deposits
H7210	Ground-water resources
H7551	Coal deposits
H8	Cosmic hypothesis

SHAW (E. W.). Little southwest Miremichi-sevogle Rivers area, New Brunswick. H*u*7212 G6

CALEY (J. F.). Geology of Woodstock area, Carleton and York counties, New Brunswick. H*u*7212 G61

HANSON (G.), *etc.* Eagle-McDame area, Cassiar district, British Columbia. H*u*7252 G6

JOHNSTON (J. R.). Reconnaissance of Pelly river between MacMillan river and Hoole Canyon, Yukon. H*u*7253 G62

HENDERSON (J. F.). Geology and mineral deposits of Ville-Marie and Guilled (Mud) lake map-areas, Quebec. H*u*728 G6

GUNNING (A. C.). Cadillac area, Quebec. H*u*728 G7

MERTIE (J. B.). *Jr.* The Yukon-Tanana region, Alaska. H*u*76 G7

H1 Minerology

ROGERS (Austin Flint). Introd. to the study of minerals, with a section on micro-chemical analysis by Lloyd W. Staples. H1 G7

BRITISH MUSEUM. NATURAL HISTORY. A guide to the mineral gallery. H1:13 G7

WELLS (Roger C.). Analysis of rocks and minerals from the laboratory of the United States Geological Survey, 1913—36. H1:5 G7

H2 Petrology

JOHANNSEN (Albert). A descriptive petrography of the igneous rocks. V. 4. 2 pts. H21 G1.3—G1.4

HATCH (F. H.), *etc.* The petrology of the sedimentary rocks, rev. by Maurice Black. H23 G8

H4 Dynamic Geology

DALY (Reginald Aldworth). Our mobile earth. H41 F9

HECK (Nicolas Hunter). Earthquakes. H4132 G6

LABROUSTE (Henri). L'analyse des seismogrammes. H4132 122G4

H422 Action of Water

WILLIAMS (Gordon R.), *etc.* Selected bibliog. on erosion and silt movement. H422*a* G7

SYKES (Godfrey). Delta, estuary, and lower portion of the channel of the Colorado river, 1933 to 1935. H4223*u*7343 G7

SYKES (Godfrey). The Colorado delta.
H4223*u*7343 G71

PIGGOTT (Charles Snowden). Core samples of the ocean bottom and their significance, etc. H4225 G8

VAN DIEREN (J. W.). Organogene Dunenbildung: Eine geomorphologische Analyse der Dunenlandschaft der West-Friesischen Insel Terschelling mit pflanzensoziologischen Methoden. H426 113G4

H5 Stratigraphy

HINDS (Norman E. A.). Contributions to pre-Cambrian geology of Western North America. H51*u*71 G6

WRIGHT (W. B.). The quaternary ice age.
H55 G6

H69 Mammalian Paleontology

GREGORY (William K.), *etc.* Fossil anthropoids of the Yale-Cambridge India expedition of 1935.
H69*u*2:4 G7

SIMPSON (George Gaylord). Fort Union of the Crazy Mountain Field, Montana and its mammalian faunas. H697*u*7363:41 G7

H7 Economic Geology

H7*u* Survey

UNITED STATES. MINES (Bureau of—). FOREIGN MINERALS DIVISION. Mineral raw materials: survey of commerce and sources in major industrial countries. H7*u*1 G7

BAIN (H. Foster). Ores and industry in the Far East: the influence of key mineral resources on the development of oriental civilization, with a chap. on petroleum by W. B. Heroy. H7*u*4 G3

WONG (William A.). Mineral wealth of China. H7*u*41 F7

KINDLE (E. D.). Mineral resources, Usk to Cedarvale, Terrace area, Coast District, British Columbia. H7*u*7252 G71

RICHARDSON (G. B.). Geology and mineral resources of the Butler and Zelienople quadrangles, Pennsylvania. H7*u*7312 G6

GILLULY (James). Geology and mineral resources of the Baker Quadrangle, Oregon, etc. H7*u*7353 G7

MOORE (Bernard N.). Nonmetallic mineral resources of Eastern Oregon. H7*u*7353 G71

H7118 Gold Deposits

EMMONS (William Harvey). Gold deposits of the world, with a section on prospecting. H7118*u*1 G7

STOCKWELL (C. H.). Gold deposits of Herblake area, Northern Manitoba. H7118*u*723 G3

McKNIGHT (Edwin T.). Zinc and lead deposits of Northern Arkansas. H7123*u*7336 G5

H7210 Ground-Water Resources

UNITED STATES. GEOLOGICAL SURVEY. Contributions to the hydrology of the United States. 1935—1936. H7210*u*73*m*

——— ——— Water levels and artesian pressure in observation wells in the United States. 1935—1936. H7210*u*73*r*

THEIS (Charles V.). Ground water in South central Tennessee. H7210*u*7328 G6

SAYRE (Albert Nelson). Geology and ground-water resources of Uvalile and Medina counties, Texas. H7210*u*7331 G6

SAYRE (Albert Nelson). Geology and ground water resources of Duval County, Taxas.
H7210*u*7331 G7

LONSDALE (John T.), *etc.* Geology and ground-water resources of Webb County, Texas.
H7210*u*7331 G71

STEARNS (Harold T.), *etc.* Records of wells on the Snake river plain, South Eastern Idaho.
H7210*u*7354 G6.2

HEWETT (D. F.), *etc.* The warm springs of Georgia: their geologic relations and origin: a summary report. H7210:16*u*7323 G7

H7551 Coal Deposits

HUNT (Charles B.), *etc.* Coal deposits of Pike County, Kentucky. H7551*u*7318 G7

WARING (Gerald A.). Geology of the Anthracite ridge coal district, Alaska. H7551*u*76 G6

H8 Cosmic Hypotheses

HOLMES (Arthur). The age of the earth. H8 G7

ADAMS (Leason H.). The earth's interior, its nature and composition. H8 G71

TAMS (Ernst). Grundzuge der physikalischen, verhaltnisse der Festenerde, ihre Beziehungen zur geologischen Gestaltung des Erdantlitzes. T. 2.
H8 113G2.2

PERRIER (Edmond). La terre avant l'histoire les origines de la vie et de l'homme. H8 122F0

I Botany

The following are the chief divisions under which the books in Botany are grouped:—

I:3	Plant physiology
I:8	Palaeobotany
I2	Thallophyta
I21	Bacteria
I22	Algae
I5	Flowering plants

LUNDELL (Cyrus Longworth). The vegetation of Peten, with an appendix. Studies of Mexican and Central American plants. 1. Iu75 G7

CHARLES Flahault. 1852—1935. IwM52 122G6

HABERLANDT (G.). Botanisches Vademecum fur bildende Kunstler und Kunstgewerbler. I 113G6

PERCIVAL (John). Agricultural botany: theoretical and practical. I0J G6

BRIQUET (John). International rules of botanical nomenclature adopted by the International Botanical Congresses of Vienna 1905, and Brussels 1910, rev. by the Congress of Cambridge 1930. I:11 G5

I:3 Plant Physiology

WRIGHT (E. C. Barton). General plant physiology, etc. I:3 G7

LOOMIS (Walter F.), *etc.* Methods in plant physiology: a laboratory manual and research handbook, with a chap. on statistical methods, by George W. Snedecor. I:3 G71

STILES (Walter), *etc.* Respiration in plants. I:3:4 G6

JENSEN (P. Boysen). Growth harmones in plants, tr. and rev. by George S. Avery, Jr., and Paul R. Burkholder, etc. I:75 G6

I:8 Palaeobotany

HARRIS (Thomas Maxwell). British Rhaetic flora. I:8*u*3:31 G8

SANBORN (Ethel I.), *etc.* Contributions to palaeontology: Eocene flora of Western America. I:8*u*735:41 G7

I2 Thallophyta

KNIEP (Hans). Die Sexualitat der niederen Pflanzen: Differnzierung, Verteilung, Bestimmung und Vererbung des Geschlects bei den Thallophyten. I2:7 113F8

I21 Bacteria

GALLOWAY (L. D.), *etc.* Applied mycology and bacteriology. I210F G7

CLARK (D. G.). Physiological studies on rhizobium species. I210J:1 G6

PRIBRAM (Ernst). Klassifikation der Schizomyceten, Bakterien: Versuch einer wissenschaftlichen Klassifikation der Bakterien auf botanischer Grundlage. I21:11 113G3

I22 Algae

CHODAT (R.). Monographies d'algues en culture pure, etc. I22 122E3

DETONI (Joseph). Diagnoses algarum novarum: post sylloges editionum descriptarum. 1. Myxophyceae, Centuria III. I22:12:1 12B9.8—3

LANDSBOROUGH (D.). Popular history of British sea weeds, ... with notices of some of the fresh-water algae. I22:12:3 A3

TAYLOR (William Randolph). Marine algae of the north eastern coast of North America. I22:12:71 G7

KUTZING (Friedrich Traugott). Tabulae Physiologicae oder Abbildungen der Tange. 19 B im 9 B. I22:14 113A.1—A.9

MENEGHINIO (Iosepho). Monographia Nostochinearum italicarum addito specimine de Rivulariis. I221:12:52 121A

CZURDA (Viktor). Conjugatae. I223:2 113G7

OLTMANNS (Friedrich). Beitrage zur Kenntniss der Fucaceen. I225 113B9

GRUBER (Eduard). Uber Aufbau und Entwickelung einiger Fevcaceen. I225:2 113C6

FOSLIE (Mikael Heggelund). Contributions to a monograph of the Lithothamnia, ed. by Henrik Printz. I227 F9

I5 Flowering Plants

JACKSON (B. Daydon). *Comp.* Index Kewensis : an enumeration of the genera and species of flowering plants from the time of Linnaeus to the year 1885 inclusive together with their authors' names, the work in which they were first published, their native countries and their synonyms, ed. by Joseph D. Hooker. Supplement 8. 1926—1930. I5:18 C3.12

GLOCK (Waldo S.). Principles and methods of tree-ring analysis and a contribution by G. A. Pearson. I5:760U28 G7

BABCOCK (Ernest B.), *etc.* The genus Youngia. I8424:12 G7

J Agriculture

The following are the chief divisions under which the books in Agriculture are grouped:—

J:1	**Soil**
J:1:1	Reclamation and protection of soil
J:1:H	Soil weathering
J:1:I21	Soil microbiology
J:4	**Diseases of crops**
J:E3	Agricultural analysis
J1	Landscape gardening
J3	Food crops
J4	Stimulant crops
J961	Rose
JA	**Forestry**

NEWSHAM (J. C.). *Comp.* Horticultural notebook: a manual of practical rules, data, and tables, etc. *Jg* G7

MADRAS. AGRICULTURE (Department of—). A popular account of the progress of the work of the Madras Agricultural Department, 1922-35. *Jv*21:N3 G7

SCHAFER (Joseph). The social history of American agriculture. *Jv*73:N3 G6

UNITED STATES. AGRICULTURE (Department of—). Response of government to agriculture: an account of the origin and development of the United States Department of Agriculture, on the occasion of its 75th anniversary by Arthur P. Chew. *Jv*73:N3 G7

RUSSELL (E. John), *etc.* Fifty years of field experiments at the Woburn Experimental Station, with a statistical report by W. G. Cochran. Jy8 G6

SURYANARAYANA (Mantha). Krisheevala vijayamu. Jø62 35G5

Treatises

HUTCHESON (T. B.), *etc.* The production of field crops: a textbook of agronomy. J G6

WRIGHTSON (John), *etc.* Agriculture: theoretical and practical, a textbook of mixed farming for large and small farmers and for agricultural students, etc. J G7

HALL (A. D.). The feeding of crops and stock: an introd. to the sciences of the nutrition of plants and animals. 3 pts. J G71.1—G71.3

SOUTH AFRICA. AGRICULTURE AND FORESTRY (Department of—). Handbook for farmers in South Africa. J G72

COX (Joseph F.), *etc.* Crop management and soil conservation. J G73

NAGABHUSHANA. Krishijnana pradipike, ed. by P. G. Halakatti. J 33G6

J:1 Soil

SCARSETH (George D.). Development, classification and properties of soils: outline of lectures in soils. J:1 G61

RUSSELL (E. John). Soil conditions and plant growth. J:1 G7

LYON (T. Lyttleton), *etc.* The nature and properties of soils: a college text of edaphology. J:1 G72

DE SIGMOND (Alexius A. J.). Principles of soil science, tr. by Arthur B. Yolland, ed. by G. V. Jacks, etc. J:1 G8

J:1:1 Reclamation and Protection of soil

AYRES (Quincy Claude). Soil erosion and its control. J:1:1 G6

GUSTAFSON (A. F.). Conservation of the soil. J:1:1 G7

JACKS (G. V.), *etc.* Erosion and soil conservation. J:1:1 G8

LYON (T. L.), *etc.* Lysimeter experiments. Pt. 4. Records for tanks 17—20 during the years 1922—1933 and for tanks 13—16 during the years 1913—1928. J:1:Cy8 G6

J:1:H Soil Weathering

BLANCK (E.), *etc.* Contributions to the knowledge of chemical weathering and soil formation is Siam. J:1:Hu433 G7

POLYNOV (B. B.). The cycle of weathering, tr. by Alexander Muir, etc. J:1:H G71

J:1:I21 Soil Microbiology

WAKSMAN (Selman A.). Principles of soil microbiology. J:1:I21 G21

J:4 Diseases of Crops

HEALD (Frederick Deforest). Introd. to plant pathology. J:4 G7

SWEETMAN (Harvey L.). Biological control of insects with a chap. on weed control etc. J:4K86:68 G6

BELLER (Samuel), *etc.* Preliminary list of insect pests and their host plants in Siam, with notes on their injury, miscellaneous foods and utilization of the host plants. J:4K86:918:433 G6

NEW SOUTH WALES. AGRICULTURE (Department of—). Pruning. J:53 G3

HILL (Albert F.). Economic botany: a text-book of useful plants and plant products. J:9 G7

J:E3 Agricultural Analysis

ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS. *United States.* Official and tentative methods of analysis. J:E3 G6

WRIGHT (C. Harold). Agricultural analysis: a handbook of methods excluding those for soils. J:E3 G8

WILLCOX (O. W.). ABC of agrobiology: the quantitative science of plant life and plant nutrition for gardeners, farmers and general readers. J:G G7

J1 Landscape Gardening

SARANGADHARA. Upavana-vinoda: a Sanskrit treatise on arbori-horticulture, being a chap. from the 'Sarangadhara-paddhati' tr. by Girija Prasanna Majumdar. J1*x*G40 G5

MAWSON (Thomas H.), *etc.* The art and craft of garden making. J1 F6

ROSS (W. A.), *etc.* Landscaping the farmstead: making the farm home grounds more attractive. J1 G8

WYMAN (Donald). Growth experiments with pin oaks which are growing under lawn conditions. J14y8 G5

RENNER (F. G.), *etc.* A selected bibliog. on management of western ranges, livestock, and wild life. J2*a*4:2735:N3 G8

J3 Food Crops

STUART (William). Potato: its culture, uses, history and classification, ed. by Kary C. Davis. J321 G7

UNITED PROVINCES. AGRICULTURE (Department of—). Improved methods of cane cultivation in the United Provinces, by R. L. Sethi, etc. J341 G8

TRESSLER (Donald K.), *etc.* The freezing preservation of fruits, fruit juices, and vegetables. J37:77:84 G6

RAMIAH (K.). Rice in Madras: a popular handbook. J381 G7

PERCIVAL (John). The wheat plant: a monograph. J382 F1

UNITED STATES. EDUCATION (Office of—). Suggestions for teaching the job controlling bunt (stinking smut) of wheat in vocational agricultural classes. J382:41237:5*y*8 G7

SNOWDEN (J. D.). The cultivated races of sorghum. J385:912 G6

J4 Stimulant Crops

GREIG (J. L.). The cultivation of lowland tea at the central experiment station, Serdang. J451 G7

WILLIAMS (Llewelyn). Tea. J451:913 G7

KENYA. AGRICULTURE (Department of—). Coffee in Kenya ..., ed. by J. McDonald. J481*r*687 G7

REDGROVE (H. Stanley). Spices and condiments. J6 G3

J961 Rose

SHERRARD-SMITH (W.). Practical hints on rose culture in India. J961 G2

BHATCHARJI (B. S.). Practical rose growing in India, with a chap. on the raising of new roses by Courtney Page and a special chap. for Bengal by A. C. Pal, etc. J961 G5

BRETT (Walter). *Ed.* Rose encyclopaedia. J961 G8

THOMPSON (A.). Observations on stem-rot of the oil palm. J971:4I23*y*7 G7

PATEL (J. S.). The coconut: a monograph. J982 G8

KALE (F. S.). Soya bean: its value in dietetics, cultivation and uses. J988 G7

JA Forestry

LEAGUE OF NATIONS. COMMITTEE OF STATISTICAL EXPERTS. Timber statistics: a minimum programme of timber statistics. JA:74*s* G8

KAMESAM (S.). Fire proofing of wood. JA:74:26 G7

MUNNS (E. N.). Distribution of important forest trees of the United States. JA:918:73 G8

ANTEVS (Ernst). Rainfall and tree growth in the Great Basin, ed. by J. K. Wright. JA:G:760U2855 G8

K Zoology

The following are the chief divisions under which the books in Zoology are grouped:—

K1:3	Invertebrate physiology
K23	Sporozoa
K8	Arthropoda
K86	Insecta
K871	Diptera
K874	Aphaniptera
K9	Vertebrata
K92	Pisces
K96	Aves
K97	Mammalia

GARDINER (J. Stanley). *Ed.* The fauna and geography of the Maldive and Laccadive archipelagoes, being the account of the work carried on and of the collections made by an expedition during the years 1899 and 1900. 2 V. K:12:292 D3.1—D3.2

BENEDICT (Francis G.), *etc.* Lipogenesis in the animal body, with sp. ref. to the physiology of the goose. K:31:94 G7

K1:3 Invertebrate Physiology

BUDDENBROCK (W. v.), *etc.* Vergleichend-physiologisches Praktikum mit besonderer Berucksichtigung der Niederentiere. K1:3*y*8 113G6

K23 Sporozoa

WATSON (Minnie Elizabeth). Studies on gregarines, including descriptions of twenty-one new species and a synopsis of the eugregarine records from the myriapoda, coleoptera and orthoptera of the world. K231:12:1 E6.1

KAMM (Minnie Watson). Studies on gregarines, II: synopsis of the polycystid gregarines of the world, excluding those from the myriapoda, orthoptera and coleoptera. K231:12:1 E6.2

SIEDLECKI (M.). Uber die Struktur und die Lebensgeschichte von Caryotropha Mesnilii. K231:7 113D7

DEBAISIEUX (Paul). Haplosporidium, Minchinia, Chitonis Lank., Haplosporidium nemertis, nov. sp. et le groupe des Haplosporidies. K235 113F0

GOPALA AIYAR (R.). Salamacis: the Indian sea-urchin. K54 G8—G82

RICHARDS (Oscar W.). The growth of mussel mytilus californianus. K712:22 F8

K8 Arthropoda

RATHBUN (Mary J.). Oxystomatous and allied crabs of America. K81583:12:7 G7

K86 Insecta

HOWARD (Leland O.). Fighting the insects: the story of an entomologist, etc. K86*w*M57 G3

——— The insect book: a popular account of the bees, wasps, ants, grasshoppers, flies and other North American insects exclusive of the butterflies, moths and beetles, with full life histories, tables and bibliographies. K86 G7

BEIER (Max), *etc. Bearbt.* Insecta. T. 2—3.
K86 113G0.2—G0.3

HOWARD (Leland O.). The insect menace. K860Y1 G3

FOLSOM (J. W.). Nearctic collembola or springtails, of the family isotomidae. K8612:12 G7

MANI (M. S.). Catalogue of Indian insects. Pt. 23. Chalcidoidea. K864:18:2 G8

K871 Diptera

EVANS (Alwen M.). Mosquitoes of the Ethiopian region. Pt. 2. Anophelin: adults and early stages.
K8711:12:682 G6.2

AUSTEN (E. E.). Bombyliidae of Palestine.
K8712:12:435 G7

K874 Aphaniptera

WATERSTON (James). Fleas as a menace to man and domestic animals: their life history, habits and control, rev. by P. A. Buxton. K874 G7

K9 Vertebrata

WORTHINGTON (S.), *etc.* Inland waters of Africa: the result of two expeditions to the great lakes of Kenya and Uganda, with accounts of their biology, native tribes and development. K9:5:1951-6 G3

SPEMANN (Hans). Experimentelle Beitrage zu Einer-theorie der Entwicklung. K9:73 113G6

K92 Pisces

DEAN (Bashford). Bibliography of fishes, ed. by Charles Rochester Eastman. 3 V. K92*a*N1 E6.1—E6.3

BRITISH MUSEUM. NATURAL HISTORY. Illustrated guide to the fish gallery, by J. R. Norman.
K92:13 G7

K96 Aves

BAKER (E. C. Stuart). Birds. 2 V.
K96:12:2 G0.1—G0.2

BENT (Arthur Cleveland). Life histories of North American birds of prey : order falconiformes. Pt. 1. K9635:5:71 G7.1

K97 Mammalia

DICE (Lee R.), *etc.* Studies of mammalian ecology in south-western North America, with sp. attention to the colors of desert mammals.
K97:5:1911-734:875 G7

L Medicine

The following are the chief divisions under which the books in Medicine are grouped:—

L:3	Human physiology
L:4	**Diseases**
L:4:3	Diagnosis
L:4:3253	X-Ray diagnosis
L:4:4	Pathology
L:4:6	Therapeutics
L:4:7	Surgery
L:42	**Infectious diseases**
L:5	**Public health**
L:5:X:8	Public health department
L:524	State control of intoxicants
L:558	Public hygiene of air
L:57	Personal hygiene
L:573	**Food and nutrition**
L:573:E	Chemistry of food and nutrition
L:6	Pharmacognosy
L:63	**Pharmacology**
L:Z	Legal medicine
L185	**The eye**
L185:4	Diseases of the eye
L191	Joints
L2	Digestive system
L3	Circulatory system
L4:4	Diseases of the respiratory system

L5	**Genito-urinal system**
L55:3	Obstetrics
L6	Glandular system
L7:4	Diseases of the nervous system
L91	Children
LA	**Ayurvedic medicine**

ARMY MEDICAL LIBRARY. *United States.* Index catalogue of the library of the Surgeon-General's office. Fourth series. V. 2. La4:473:M36 G6.2

ROLLESTON (Humphry). *Ed.* British encyclopaedia of medical practice, including medicine, surgery, obstetrics, gynaecology and other special subjects. V. 1—9. Lk G6.1—G6.9

INDIAN RESEARCH FUND ASSOCIATION. SCIENTIFIC ADVISORY BOARD. Report and summary of the report of Governing Body. 1933|34. Ll2:N12r

HEWER (G. Langton). Recent advances in anaesthesia and analgesia, including oxygen therapy. L:17 G7

L:3 Physiology

DOUGLAS (C. G.), *etc.* Human physiology: a practical course. L:3y8 G7

STARLING (Ernest H.). Principles of human physiology, ed. and rev. by C. Lovatt Evans; the chap. on the central nervous system and sense organs rev. by H. Hartridge. L:3 G61

BEST (Charles Herbert), *etc.* The physiological basis of medical practice: a University of Toronto text in applied physiology. L:3 G7

TRENDELENBURG (W.), *etc. Hrsgs.* Lehrbuch der Physiologie des Menschen. L:3 113F4

BARBER (Harold Hayden). Physiology for pharmaceutical students. L:30L:68 G7

CARPENTER (Thorne M.). The metabolism of alcohol in the animal body. L:33:54 G7

L:4 Diseases

MODERN treatment in general practice, etc. V. 1— 1934— L:4*m*3:N34

L:4:3 Diagnosis

KRACKE (Roy R.). *Ed.* Textbook of clinical pathology. L:4:3 G8

BUCHANAN (Scott). Doctrine of signatures; a defence of theory in medicine. L:4:3:R G8

L:4:3253 X-Ray Diagnosis

BROWN (Percy). American martyrs to science through the Roentgen rays, with a short glossary of the scientific terms used in the text. L:4:3253*w*M9 G6

HOLMES (George W.), *etc.* Roentgen interpretation: a manual for students and practitioners. L:4:3253 G62

FRIEDMAN (Lewis J.). Textbook of diagnostic roentgenology. L:4:3253 G7

L:4:4 Pathology

NATIONAL RESEARCH COUNCIL OF JAPAN. Japanese journal of medical sciences. Section 5. Pathology. Transactions and abstracts. V. 2— 1934|36— L:4:4*m*42:N20

HADFIELD (Geoffrey), *etc.* Recent advances in pathology. L:4:4 G8

GERLACH (Walther), *etc.* Clinical and pathological applications of spectrum analysis ..., being the tr. of Pt. 2 of "Die chemische Emissionsspektralanalyse", tr. by Joyce Hilger Twyman. L:4:402 G4

L:4:6 Therapeutics

HOUSTON (William R.). The art of treatment. L:4:6 G61

MUKERJI (Sudhir Kumar). Prakasa-chikitsa. L:4:625 152G8

LAKSHMAN (Sharma K.). The fasting cure. L:4:6426 G2

L:4:7 Surgery

SAUERBRUCH (Ferdinand). Advances in modern surgery. L:4:7z7 G7

BAILEY (Hamilton). Emergency surgery. L:4:7 G64

SOUTTAR (H. S.). Art of surgery, etc. L:4:7 G7

L:42 Infectious Diseases

STIMSON (Philip Moen). A manual of the common contagious diseases. L:42 G6

PHILIP (Robert W.). Collected papers on tuberculosis. L:421xM56 G7

L:5 Public Health

GREAT BRITAIN. CHIEF MEDICAL OFFICER. Annual report on the state of public health. 1934— L:5r3

MOUNTIN (Joseph W.), *etc.* Illness and medical care in Puerto Rico. L:5*u*792:N3 G7

GHOSH (Birendra Nath). Treatise on hygiene and public health, with sp. ref. to the tropics. L:5 G8

L:5;X:8 Public Health Department

CHURCHILL (Stella). Health services and the public. L:5:X:8:3:N2 F8

HILL (T. W.). The health of England. L:5:X:8:3:N3 G3

POLITICAL AND ECONOMIC PLANNING. *Great Britain.* Report on the British health services, a survey of the existing health services in Great Britain with proposals for future development. L:5:X:8:3:N3 G7

L:524 State Control of Intoxicants

LEAGUE OF NATIONS. Convention for limiting the manufacture and regulating the distribution of narcotic drugs ... 1931: historical and technical study etc. L:524*q*1:N31 G7

L:558 Public Hygiene of Air

IVES (James E.), *etc.* Measurements of ultra-violet radiation and illumination in American cities during the years 1931 to 1933. L:558:C52*u*73:N3 G7

L:57 Personal Hygiene

GRAND (Jules). Talks on hygiene, tr. by Fred Rothwell. L:57 E9

L:573 Food and Nutrition

LEAGUE OF NATIONS. INFORMATION SECTION. New technical efforts towards a better nutrition. L:573*b*4 G8

FISHBEIN (Morris). Your diet and your health.
L:573 G74

SILBURN (Judith Ann). Nutrition and sex.
L:5730S5:5 G7

L:573:E Chemistry of Food and Nutrition

DRUMMOND (J. C.). Biochemical studies of nutritional problems. L:573:E G4

DANIEL (Esther Paterson), *etc.* Vitamin content of foods: a summary of the chemistry of vitamins, units of measurement, quantitative aspects in human nutrition and occurrence in foods.
L:573:E:97 G7

L:6 Pharmacognosy

BASTEDO (Walter Arthur). Materia medica, pharmacology, therapeutics and prescription writing, etc.
L:6 G8

L:63 Pharmacology

CUSHNY (Arthur Robertson). Pharmacology and therapeutics or the action of drugs in health and disease, ed. by C. W. Edmunds and J. A. Gunn.
L:63 G6

MACLEOD (John James Rickard). Carbohydrate metabolism and insulin. L:63:L293 F6

L:Z Legal Medicine

MITCHELL (C. Ainsworth). Forensic chemistry in the criminal courts. L:Z27 G8

GONZALES (Thomas A.), *etc.* Legal medicine and toxicology, etc. L:Z G7

Specific Regions and Organs

HARRIS (Wilfred). The facial neuralgias.
L181-73:417 G7

L185 The Eye

DUKE-ELDER (W. Stewart). Text-book of ophthalmology. 2 V. L185 G8.1—G8.2

REA (R. Lindsay). Neuro-opthalmology. L185-7:4 G8

LUCKIESH (Matthew), *etc.* Science of seeing. L185:30D6:5 G7

L185:4 Diseases of the Eye

TRONCOSO (Manuel Uribe). Internal diseases of the eye and atlas of ophthalmoscopy. L185:4 G7

KOMAN NAIR (K.). Ophthalmology in its relation to clinical medicine. L185:4:31 G7

KAMESVARAN (L.). Defective sight: its cause and cure. L185:4:64 G5

L191 Joints

POYNTON (Frederic John), *etc.* Recent advances in the study of rheumatism. L191:4722 G7

L2 Digestive System

METHODEN zur Untersuchung der Funktionen des Verdauungsapparates. H. 2. L2:3 113F3.2

KLEIN (Henry), *etc.* Dental caries in American Indian children. L214:4241:2 G8

CADY (F. C.), *etc.* Survey of dental activities of state departments and institutions of the United States. L214:54*u*73:N3 G6

SCHINDLER (Rudolf). Gastroscopy: the endoscopic study of gastric pathology, etc. L24:4:31 G7

VERZAR (F.), *etc.* Absorption from the intestines. L25:3 G6

L3 Circulatory System

ASHMAN (Richard), *etc.* Essentials of electrocardiography. L32:3:C6 G7

LEVINE (Samuel A.). Clinical heart disease. L32:4 G8

PINEY (A.), *etc.* Clinical atlas of blood diseases. L35:4:3*f* G8

CARRIE (Curt). Die Porphyrine ihre Nachweis, ihre Physiologie und Klinik. L35:4533 113G6

PONDER (Eric). The mammalian red cell and the properties of haemolytic systems. L35:E G4

UNITED STATES. PUBLIC HEALTH SERVICE. Pathology of Tularaemia. L396:4247:4 G7

L4:4 Diseases of the Respiratory System

NATIONAL RESEARCH COUNCIL OF JAPAN. Japanese journal of medical sciences. XII. Oto-Rhino Laryngology. V. 2. 1933|38. L4:4*m*42:N20

PUNCH (A. Lisle), *etc.* Modern treatment of diseases of the respiratory system. L4:4:6 G6

BURRELL (L. S. T.). Recent advances in pulmonary tuberculosis. L45:421 G7

L5 Genito-Urinal System

KEYES (Edward L.), *etc.* Urology. L5:47 G62

L55:3 Obstetrics

MEDICAL COUNCIL OF INDIA. Notes on the teaching of midwifery in the British Indian Universities, with comparative tables. L55:3b32:N3 G7

SOLOMONS (Bethel), *etc.* Tweedy's practical obstetrics. L55:3 G7

TITUS (Paul). Management of obstetric difficulties. L55:3 G71

KERR (J. M. Munro). Operative obstetrics: a guide to the difficulties and complications of obstetric practice, ed. by Donald McIntyre and D. Fyfe Anderson. L55:3 G72

HAIRE (Norman). Birth-control methods: contraception, abortion, sterilisation, etc. L55:394 G7

LEAGUE OF NATIONS. HEALTH ORGANISATION. Inquiry into the results of radiotherapy in cancer of the uterus: atlas illustrating the division of cancer of the uterine cervix into four stages according to the anatomo-clinical extent of the growth, prep. by J. Heyman. L553:47257*g* G8

L6 Glandular System

TRENDELENBURG (Paul). Die Hormone: ihre Physiologie und Pharmakologie. 2 B. L6:3 113F9.1—F9.2

WERNER (August A.). Endocrinology: clinical application and treatment. L6:4 G7

GOLDZIEHER (Max A.). Practical endocrinology: symptoms and treatment. L6:4 G71

BROSTER (L. R.), *etc.* Adrenal cortex and intersexuality. L61:453*z*7 G8

HERTZLER (Arthur E.). Surgical pathology of the thyroid gland. L65:4711:4 G6

L7:4 Diseases of the Nervous System

GORDON (R. G.), *etc.* Introd. to psychological medicine. L7:4 G6

LAKSHMAN (Sarma K.). Mental healing. L7:4:691 G1

DENT (John Yerbury). Reactions of the human machine. L7:4:691 G61

ENGLISH (O. Spurgeon), *etc.* Common neuroses of children and adults. L7:4:691 G7

LAFORGUE (Rene). Clinical aspects of psycho-analysis, tr. by John Hall. L7:4:691 G8

HINSIE (Leland E.). Concepts and problems of psychotherapy. L7:4:691 G81

HENRY (George W.). Essentials of psychiatry. L7:4:691 G82

ROSANOFF (Aaron J.). Manual of psychiatry and mental hygiene. L7:4:691 G83

FROLOV (Y. P.). Pavlov and his school: the theory of conditioned reflexes, tr. by C. P. Dutt. L71:3 G8

CANNON (Walter B.), *etc.* Autonomic neuro-effector systems. L77:3 G7

BURNS (B. H.), *etc.* Recent advances in orthopaedic surgery. L82:471:7 G7

SCHWARTZ (Louis), *etc.* Skin hazards in American industry. V. 2. L87:415:510X9*u*73:N3 G4.2

L91 Children

ZAHORSKY (John), *etc.* Synopsis of pediatrics. L91:4 G7

HARDY (Martha Crumpton), *etc.* Healthy growth: a study of the influence of health education on growth and development of school children. L91:50T G6

LA Ayurvedic Medicine

VAIDYA (K. M.). Ashtanga hridaya kosha, with the hridaya prakasha: a critical and explanatory comm. LA*x*3*k* 15G6

KASYAPA. Kasyapasamhita, ed. by Sampatkumara Ramanuja Muni. LA:441:6*x*1 15G3

SUNDARAM (A. R. S.). Hindu pharmacopoeia. LA:65 G3

——— Ayurveda oushada muraigal. LA:65 31G5

MOOKERJI (Bhudeb). *Tr.* Rasa-jala-nidhi or ocean of Indian chemistry and alchemy. V. 4. LA:68 F6.4

M Useful Arts

The following are the chief divisions under which the books in Useful Arts are grouped:—

M1	Book-production
M3	Domestic science
MK	Animal husbandry and veterinary science
MK2	Cattle
MK2:573	Food and nutrition of cattle
MK2:G:6	Cattle breeding
MK31	Dairying
MK351	Poultry-keeping
MV4	Military science
MY	Sports and games

M1 Book-Production

CARTER (John). *Ed.* New paths in book collecting: essays by various hands, etc. M1z7 G4

M3 Domestic Science

WHITAKER (Ruth). Modern developments in domestic science training, etc. M3b33:N3 G7

COOPER (Charles). English tables in history and literature. M3v3:N2 F9

CARPENTER (Rowena Schmidt), *etc.* Menus and recipes for lunches at school. M310T15 G6

MK Animal Husbandry and Veterinary Science

MACEWAN (J. W. G.), *etc.* Science and practice of Canadian animal husbandry. MK G6

WOOD (T. B.). Animal nutrition. MK:573 G2

MK2 Cattle

MK2:573 Food and Nutrition

MAYNARD (Leonard A.). Animal nutrition. MK2:573 G7

BULL (Sleeter), *etc.* Principles of feeding farm animals. MK2:573 G71

NATIONAL RESEARCH COUNCIL. *United States.* COMMITTEE ON ANIMAL NUTRITION. Mineral nutrition of farm animals by H. H. Mitchell and F. J. McClure. MK2:573 G72

MK2:G:6 Cattle Breeding

LUSH (Jay L.). Animal breeding plans. MK2:G:6 G7

OLVER (Arthur). A brief survey of some of the important breeds of cattle in India. MK2:G:6 G8

MK31 Dairying

MATTICK (A. T. R.). Handling of milk and milk products. MK31:7 G7

BRODY (Arthur Louis). The transmission of fowl-fox. MK35:4:23:2 G6

MK351 Poultry-Keeping

THOMPSON (Willard C.). Egg farming, etc. MK351 G6

BARGER (Edgar Hugh), *etc.* Diseases and parasites of poultry. MK351:4 G8

MV4 Military Science

GREAT BRITAIN. WAR (—office). Examination of army officers for promotion: papers set in March, 1938 with remarks by the examiners. MV4*b*112*r*

JADHAV (G. M.). Military science. MV4z7 G8

MY Sports and Games

INDIAN OLYMPIC ASSOCIATION. Sports, etc. V. 1— 1936— MY*m*2:N36

SWARNAVALLI (K.). *Ed.*. Vinoda silpamu. Pt. 1. MY34 35G5.1

SANKARAN MOOSED (K.). *Ed.* Indrajala kautukam. MY4 32F8

△ Spiritual Experience and Mysticism

The following are the chief divisions under which the books in Spiritual Experience and Mysticism are grouped:—

△*x*M96	Krishnamurti's works
△*y*7	Mystics
△:8	**Occultism**
△:8:16	Spiritualism
△:864	Astrology
△:866	Premonition
△:R	Philosophy of mysticism
△2	Hindu mysticism
△3	Jain mysticism
△4	Buddhist mysticism
△5	Judaic mysticism
△6	Christian mysticism
△63	Gnosticism
△73	Sufism
△8452	Mithraism
△8513	Neo-Platonic mysticism
△E	Occult chemistry
△J	Occult agriculture

△*x*M96 Krishnamurti's Works

KRISHNAMURTI (J.). Verbatim reports of talks and answers to questions at Italy and Norway, 1933, Adyar, India, 1933|34, Ojai Camp, 1934, Auckland, N. Z. 1934. △*x*M96 G3

——— Authentic report ... of talks given in Latin America, at Ojai, etc. △*x*M96 G6

A SERVER. *Pseud. Comp.* Meditations, being selections from "At the feet of the master". △xM96:1 F3

ARUNDALE (George S.). Thoughts on "At the feet of the master". △xM96:1:9 E8

LEADBEATER (C. W.). Talks on "At the feet of the master". △xM96:1:9 F2

DAVIES (J. Tyssul). The religion of J. Krishnamurti, without rite, without church. △xM96:9 F9

△y7 Mystics

PAPAIYA CHETTY (B.). Sri Saileela. △y7M36 35G8

YEATS (W. B.). A vision. △y7M651 G7

NARASIMHA SWAMI (B. V.). Sage of Sakori. △y7M70 G8

CHANDRASEKHARA AIYAR (K. S.). J. Krishnamurti: some impressions. △y7M96 F7

WODEHOUSE (E. A.). The new Krishnaji. △y7M96 F71

BOEKOE nomor i jaito bernama mengadep pada kakinja sang Goeroedewa j ang mengarang Alkyone J. Kresnamoerti. △y7M96 112E1

MUKERJEE (Radhakamal). Theory and art of mysticism. △ G7

GUENON (Rene). Le symbolisme de la croix. △:18 122G1

——— Autorite spirituelle et pouvoir temporel. △:7:W 122G0

△:8 Occultism

LEADBEATER (C. W.). Invisible helpers. △:8 E8

CANNON (Alexander). The power of Karma in relation to destiny. △:8 G6

△:8:16 Spiritualism

TYRRELL (G. N. M.). Science and psychical phenomena. △:8:16 G8

GUENON (Rene). L'erreur spirite. △:8:16 122G0

JAGANNADHASWAMI (P.). Atmajignasa sanghamu: psychical research and man's survival of bodily death. △:8:16 35E6

WESTAWAY (F. W.). Obsessions and convictions of the human intellect. △:8:9 G8

△:864 Astrology

THIERENS (A. E.). Astrology in Mesopotamian culture: an essay. △:864v467:A G5

NRISIMHA SURI. Kalaprakasika, ed. by T. Ramaswamy Sastri. △:864 15F3

RAMANUJACHARYA (V.). *Tr.* Kalamrita, with a comm. by Venkatesa Yajwan. △:864 31F1

CARINGTON (Whately). Preliminary experiments in precognitive guessing. △:866 G5

△:R Philosophy of Mysticism

BEALE (W. J.). Divine causation: a critical study concerning intermediaries. △:R G7

HUGHES (Thomas Hywel). Philosophic basis of mysticism. △:R G71

△1:3 Integral Yoga

AUROBINDO. Bases of yoga. △1:3 G6

△2 Hindu Mysticism

PUROHIT SWAMI. An Indian monk: his life and adventures, etc. △2y7M82 G2

SHARPE (Elizabeth). Flame of God: a mystical autobiography. △2y7M88 G0

BEHANAN (Kovoor T.). Yoga: a scientific evaluation. △2 G8

YEATS-BROWN (F.). Yoga explained, etc. △2:3 G7

BRUNTON (Paul). The quest of the overself. △2:3 G71

△3 Jain Mysticism

YOGINDUDEVA. Paramatmaprakasa: Paramappapayasu: an apabhramsa work on Jaina mysticism, the apabhramsa text, ed. with Brahmadeva's Sanskrit comm. and Daulatarama's Hindi tr. ... and also Yogasara, ed. ..., by A. N. Upadhye. △3*x*D50 152G7

△4 Buddhist Mysticism

DAWA-SAMDUP (Kazi). *Ed.* Shrichakra sambhara tantra: a buddhist tantra. △41:3 E9

△5 Judaic Mysticism

BUBER (Martin). Jewish mysticism and the legends of Baalshem tr. by Lucy Cohen. △5*z*7 G1

SPERLING (Harry), *etc. Trs.* Zohar, etc. 5 V. △5:8*x*1 G1.1—G1.5

REGARDIE (Israel). A garden of pomegranates: an outline of the Qabalah. △5:8 G2

△6 Christian Mysticism

BERNARD. *Saint.* On the love of God, tr. ... by Terence L. Connolly. △6*x*D91 G7

JOHN. *Saint.* Complete works, tr. from the critical ed. of P. Silverio de Santa Teresa, ed. by E. Allison Peers. 3 V. △6*x*J42 G4.1—G4.3

BOEHME (Jocob). Confessions, comp. and ed. by W. Scott Palmer, etc. △6*x*J75:11 F0

BOEHME (Jacob). Way to Christ, described in the following treatises: of true repentence, of true resignation, of regeneration, of the supersensual life. △6*x*J75:12 F7

——— De electione gratiae and questiones theosophicae, with a biog. sketch, tr. ..., by John Rolleston Earle. △6*x*J75:13 G0

——— Supersensual life or the life which is above sense, being two dialogues between a scholar or disciple and his master, tr. by William Law. △6*x*J75:21 G5

——— Signature of all things. △6*x*J75:22 G4

PEERS (E. Allison). Ramon Lull: a biography. △6*y*7G32 F9

UNDERHILL (Evelyn). House of the soul. △6*z*7 G3

——— Spiritual life: four broadcast talks. △6*z*7 G8

△63 Gnosticism

MEAD (G. R. S.). Fragments of a faith forgotten: some short sketches among the gnostics mainly of the first two centuries, a contribution to the study of the Christian origins, etc. △63 G1

BAYNES (Charlotte A.). *Tr.* A coptic gnostic treatise contained in the Codex Brucianus, etc. △63 G3

△73 Sufism

JALALUDDIN RUMI. Mathnawi, ed. ... tr. and comm. by Reynold A. Nicholson. V. 7. Containing the comm. on the first and second books. △73*x*G07:9 G7.1

INAYAT KHAN. Way of illumination: a guide book to the Sufi movement. △73 G7

△8452 Mithraism

MEAD (G. R. S.). Mysteries of Mithra. △8452 D7

——— A Mithriac ritual. △8452 D71

△8513 Neo-Platonic Mysticism

HERMES. Hermetica: the ancient Greek and Latin writings which contain religious or philosophic teachings, ed. and tr. by Walter Scott. 4 V. △8513*x*1 F4.1—F4.4

EBREO (Leone). Philosophy of love: dialoghi d'amore, tr. by F. Friedeberg-Seely and Jean H. Barnes, etc. △8513*x*I60:1 G7

WHITBY (Charles J.). Wisdom of Plotinus: a metaphysical study. △8513 E9

△E Occult Chemistry

KOLISKO (L.). Workings of the stars in earthly substances: experimental studies from the biological institute of the Goetheanum, with plates. △E1:1 F8

——— Gold and the Sun: an account of experiments conducted in connection with the total eclipse of the Sun of 19th June, 1936, tr. ... by G. S. Francis. △E1:118 G6

——— Jupiter and tin: experimental studies from the biological institute of the Goetheanum, with plates. △E1:145 G2

△J Occult Agriculture

KOLISKO (L.). Moon and the growth of plants. △J:G:7 G8

△Y1:1 Occult Theory of Civilisation

WOOD (Ernest). The Seven rays: a theosophical handbook. △Y1:1 F5

N Fine Arts

The following are the chief divisions under which the books in Fine Arts are grouped:—

N*v*	History of fine arts
N053:N24	Surrealism
N1	Architecture
N1:1	Town planning
N12	Indian architecture
N153	French architecture
N2	Sculpture
N22	Indian sculpture
N22:C	Buddhist sculpture
N221	South Indian sculpture
N241	Chinese sculpture
N243	South-eastern Asiatic sculpture
N4	Drawing and pattern work
N5	Painting
N7	Dancing
N8	Music
N82	Indian music
N821	South Indian music
N821:K	Carnatic music
N821:K*w*	Biographies
N821:K*x*	Works
N821:K	Treatises
N85	European music
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Nv History of Fine Arts

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N053:N24 Surrealism

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N1 Architecture

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N153 French Architecture

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N2 Sculpture

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N241 Chinese Sculpture

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N8 Music

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O Literature

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O2	Drama (General)
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O:1:90P	English prosody

Individual poets arranged chronologically.

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O:1G25	*Floris and Blanchefleur*
O:1H29	Langland
O:1H40	**Chaucer**
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O:1J52	**Spenser**
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O:1L931	Clare
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O:1M592	A. E. Housman
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O35:2M91 Lakshminarayana
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O35:2M951	Viswanatha Satyanarayana
O35:2N08	Bangarayya
O35:3	**Telugu fiction**
O35:3M89	Venkatachalam
O35:3M92	Srinivasa Siromani
O35:3M924	K. Venkata Rao
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O35:6	**Telugu prose**
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O35:7M752	Narasimha Sarma
O41	**Chinese literature**
O41:1E37	Su-Tung-P'o
O42	**Japanese literature**

O Literature (General)

HARVEY (Paul). *Comp.* and *Ed.* Oxford companion to classical literature. Ok G7

NEW directions in prose and poetry. 1937— Oxm73:N36

BENHAM (Gurney). Benham's book of quotations, proverbs and household words, etc. OxM6 G6

O19 Poetical Criticism (General)

CAUDWELL (Christopher). *Pseud.* (i.e. Christopher St. John Sprigg.) Illusion and reality: a study of the sources of poetry. O190S G7

O2 Drama (General)

CLARK (Barrett H.). Study of the modern drama: a handbook for the study and appreciation of typical plays, European, English and American of the last three-quarters of a century. O2*a*N3 G8

WILSON (N. Scarlyn). European drama O2*v*N3 G7

SCHLEGEL (Augustus William). A course of lectures on dramatic art and literature, tr. by John Black, rev. ... by A. J. W. Morrison. O29*x*L67 A

AESOP, *etc.* Fables. O3*x*M2 G6

DREWRY (Louisa). On the study of language and literature. O9 A

O: English Literature

O:*v* History

GREEN (F. C.). Minuet: a critical survey of French and English literary ideas in the eighteenth century. O:*v*L9 G5

GRONDAHL (Illit). Land marks of English literature: a brief survey. O:*v*N3 G8

O:*w* Biographies

THOMAS (Edward). Literary pilgrim in England. O:*w*M7 G7

EGLINTON (John). Irish literary portraits. O:*w*M8 G5

O:*x* Selections

MACAULAY (Rose). *Sel.* Minor pleasures of life. O:*x*M8 G4

ROBERTS (Michael). *Ed.* New country: prose and poetry by the authors of new signatures. O:*x*M9 G31

O:1 English Poetry

O:1x Anthologies

GREENE (Richard Leighton). *Ed.* Early English carols. O:1xJ2 G5

ADAMSON (Margot Robert). *Sel.* Treasury of middle English verse. O:1xJ2 G0

COWLING (George H.). *Ed.* Outline of English verse. O:1xM2 G5

AUDEN (W. H.), *etc. Comps.* Poet's tongue: an anthology. O:1xN0 G7

NICHOLSON (D. H. S.), *etc. Sels.* Oxford book of English mystical verse. O:1x0△ G2

O:1:9 Criticism of English Poetry

SHINE (Hill). Carlyle's fusion of poetry, history and religion by 1834. O:1:9xL95:9 G8

GORDON (George). Poetry and the moderns: inaugural lecture delivered before the University of Oxford, 3 December 1934. O:1:9z7 G5

DAICHES (David). Place of meaning in poetry. O:1:9 G52

HAMILTON (G. Rostrevor). Poetry and contemplation: a new preface to poetics. O:1:9 G7

IMAM (Syed Mehdi). Poetry of the invisible: an interpretation of the major English poets from Keats to Bridges, etc. O:1:90△:8 G7

O:1:90P English Prosody

BREWER (R. F.). Orthometry: art of versification and the technicalities of poetry, with a new and complete rhyming dictionary. O:1:90P G7

HENDREN (J. W.). A study of ballad rhythm, with sp. ref. to ballad music. O:1:90P:1 G6

LEWIS (C. S.). Allegory of love: a study in medieval tradition. O:1:90S:55 G8

LAWRENCE (William Witherle). Medieval story and the beginning of the social ideals of English-speaking people. O:1:90Y G1

Applied Criticism

BARTLETT (Adeline Courtney). Larger rhetorical patterns in Anglo-Saxon poetry. O:1:9H1 G5

SMITH (David Nichol). Some observations on eighteenth century poetry. O:1:9L5 G7

UNIVERSITY OF CALIFORNIA. DEPARTMENT OF ENGLISH. Essays in criticism, second series. O:1:9L8 G4

PALMER (Herbert). Post Victorian poetry. O:1:9M9 G8

Individual Poets

(*Arranged in chronological order*)

VISSER (G. J.). Layamon: an attempt at vindication. O:1F70:9 G7

GRATTAN (J. N. G.), *etc. Eds.* The owl and the nightingale. O:1G20 G5

TAYLOR (A. B.). *Ed.* Floris and Blancheflour: a middle-English romance, from the Trentham and Auchinleck mss. O:1G25 G7

JAMES (Stanley B.). Back to Langland. O:1H29:9 G5

O:1H40 Chaucer

CHAUCER (Geoffrey). Book of Troilus and Criseyde, ed. by Robert Kilburn Root. O:1H40:5 G0

BRONSON (Bertrand H.). Chaucer's hous of fame: another hypothesis. O:1H40:81:9 G4

——— In appreciation of Chaucer's parlement of foules. O:1H40:82:9 G5

WHITING (Bartlett Jere). Chaucer's use of proverbs. O:1H40:90P G4

BOKENHAM (Osbern). Legendys of hooly wummen, ed. by Mary S. Serjeantson. O:1H92:1 G8

O:1H95 Piers Plowman

CARNEGY (F. A. R.). An attempt to approach the C-text of Piers the plowman. O:1H95 G4

DUNNING (T. P.). Piers plowman: an interpretation of the A-text. O:1H95:9 G7

HENRYSON (Robert). Testament of Cresseid, ed. by Bruce Dickens. O:1I30:3 G1

O:1J52 Spenser

ATKINSON (Dorothy F.). Edmund Spenser: a bibliographical supplement. O:1J52*a* G7

BHATTACHERJE (Mohinimohan). Platonic ideas in Spenser, etc. O:1J52:90R G5

FOWLER (Earle B.). Spenser and the system of courtly love. O:1J52:90S:5 G5

COFFIN (Charles Monroe). John Donne and the new philosophy. O:1J72:90R G7

O:1K08 Milton

BRADSHAW (John). Concordance to the poetical works of John Milton. O:1K08*k* C4

TAYLOR (George Coffin). Milton's use of Du Bartas. O:1K08:4:90*z* G4

PARKER (William Riley). Milton's debt to Greek tragedy in Samson Agonistes. O·1K08:6:9 G7

TILLYARD (E. M. W.). Miltonic setting: past and present. O:1K08:9 G8

WALLERSTEIN (Ruth C.). Richard Crashaw: a study in style and poetic development. O:1K13:9 G5

O:1K31 Dryden

DRYDEN (John). Hymns attributed to John Dryden, ed. ... by George Rapall Noyes and George Reuben Potter. O:1K31*x* G7

BREDVOLD (Louis I.). The intellectual milieu of John Dryden: studies in some aspects of seventeenth-century thought. O:1K31:9 G4

ABBOT (Edwin). Concordance to the works of Alexander Pope, etc. O:1K88*k* A

WILLIAMS (Marjorie). William Shenstone: a chap. in eighteenth century taste. O:1L14*w* G5

KETTON-CREMER (R. W.). Thomas Gray. O:1L16*w* G5

HARTLEY (Lodwick C.). William Cowper: humanitarian. O:1L31:90Y1 G8

O:1L59 Burns

CUTHBERTSON (John). Complete glossary to the poetry and prose of Robert Burns, etc. O:1L59*k* B6

REID (J. B.). *Comp.* and *Ed.* Complete word and phrase concordance to the poems and songs of Robert Burns, etc. O:1L59*k* B9

ROSS (John D.). A Burns handbook. O:1L59*k* G1

WORDSWORTH (William). Poetical works, etc., [along with] Tutin (J. R.): Wordsworth dictionary of persons and places with the familiar quotations from his works, and an index to the animal and vegetable kingdoms of Wordsworth.
O:1L70x B5

POTTER (Stephen). Coleridge and S. T. C.
O:1L72:9 G8

O:1L92 Shelley

ELLIS (F. S.). *Comp.* Lexical concordance to the poetical works of Percy Bysshe Shelley, etc.
O:1L92k G2

COWLING (George). Shelley and other essays.
O:1L92w G6

WHITE (Newman Ivey). Unextinguished hearth: Shelley and his contemporary critics.
O:1L92:9v3:M2 G8

FIRKINS (Oscar W.). Power and elusiveness in Shelley.
O:1L92:9 G7

BARNARD (Ellsworth). Shelley's religion.
O:1L92:90Q G7

O:1L93 Keats

KEATS (John). Autobiography, comp. from his letters and essays by Earle Vonard Weller, etc.
O:1L93w G3

HEWLETT (Dorothy). Adonais: a life of John Keats.
O:1L93w G7

BROWN (Charles Armitage). Life of John Keats, ed. ... by Dorothy Hyde Bodurtha and Willard Bissell Pope. O:1L93w G71

CLARE (John). Poems, ed. with an introd. by J. W. Tibble. 2 V. O:1L931x G5.1—G5.2

HUBBELL (George Shelton). Concordance to the poems of Ralph Waldo Emerson. O:1M02*k* G2

SHACKFORD (Martha Hale). E. B. Browning; R. H. Horne: two studies. O:1M032:9 G5

CURRIER (Thomas Franklin). A bibliography of John Greenleaf Whittier. O:1M071*a* G7

BAKER (Arthur E.). Tennyson dictionary: the characters and place-names contained in the poetical and dramatic works of the poet, alphabetically arranged and described with synopses of the poems and plays. O:1M09*k* E5

O:1M12 Browning

BROWNING (Robert) and WEDGWOOD (Julia). Letters: a broken friendship as revealed in their letters, ed. by Richard Curle. O:1M12*w* G7

DEVANE (William Clyde). Browning handbook. O:1M12:9 G7

HOUSMAN (Laurence). A. E. H.: some poems, some letters and a personal memoir by his brother. O:1M592*w* G7

ELLIS (Havelock). Poems, sel. by John Gawsworth, etc. O:1M595*x* G7

Modern English Poets

MITTER (Sushil Chandra). La pensee de Rabindranath Tagore. O:1M61:9 122G0

EGLINTON (John). A memoir of A E, George William Russell. O:1M641*w* G7

VASUDEVA RAO (B.). Of here and hereafter and other poems. O:1M705:11 G7

TREVELYAN (R. C.). Beelzebub and other poems. O:1M724:11 G5

BRANTOM (William). War no more and various verses. O:1M805*x* G6

DRINKWATER (John). Collected poems. V. 3. O:1M841*x* F3.3

POUND (Ezra). Fifth decad of cantos. O:1M851:25 G7

BLUNDEN (Edmund). An elegy and other poems. O:1M96:31 G7

Post-War Younger Poets

CAMPBELL (Roy). Broken record: reminiscences. O:1N021*w* G4

——— Mithraic emblems: poems. O:1N021:24 G6

BARKER (George). Calamiterror. O:1N031:1 G7

LEHMANN (John). Noise of history. O:1N04:11 G4

LUCAS (Hedley). See you a city. O:1N052:11 G7

SPENDER (Stephen). Poems. O:1N09*x* G5

——— Vienna. O:1N09:11 G4

O:2 English Drama

BEST one-act plays 1937. O:2*xm*3:N31

EIGHT new one-act plays, ed. by John Browne. Series 2—1934— O:2*xm*3:N33

O:2:9 Criticism of English Drama

GRANVILLE-BARKER (Harley). On poetry in drama. O:2:9*z*7 G7

Applied Criticism

WITHINGTON (Robert). Excursions in English drama. O:2:9J6 G7

ELIOT (T. S.). Elizabethan essays. O:2:9J8 G4

LAWRENCE (W. J.). Speeding up Shakespeare: studies of the bygone theatre and drama. O:2:9J8 G7

KNIGHTS (L. C.). Drama and society in the age of Jonson. O:2:9J9 G7

DREW (Elizabeth). Discovering drama. O:2:9M8 G7

Individual Dramatists

(*Arranged in chronological order*)

HEYWOOD (John). [Works, ed.] by R. Dela Bere. O:2I97*x* G7

TENNEY (Edward Andrews). Thomas Lodge. O:2J57*w* G5

BAKELESS (John). Christopher Marlowe: the man in his time. O:2J63*w* G7

O:2J64 Shakespeare

EBISCH (Walther), *etc*. Shakespeare bibliography: suppl. for the years 1930-1935. O:2J64*a*N2 G1—1

CUNLIFFE (Richard John). A new Shakespearean dictionary. O:2J64*k* G6

PASCAL (R.). Shakespeare in Germany. 1740—1815. O:2J64*v*55:M1 G7

FRIPP (Edgar I.). Shakespeare: man and artist. 2 V. O:2J64*w* G8.1—G8.2

O:2J64:51:9 Hamlet—Criticism

EWING Fayette (C.). Hamlet: an analytic and psychologic study. O:2J64:51:9 G4

SCHUCKING (Levin L.). Meaning of Hamlet, tr. by Graham Rawson. O:2J64:51:9 G71

BROCK (J. H. E.). Dramatic purpose of Hamlet. O:2J64.51:9 G52

O:2J64:9 Shakespearean Criticism

SCHELLING (Felix E.). Shakespeare biography and other papers chiefly Elizabethan. O:2J64:9z7 G7

HART (Alfred). Shakespeare and the homilies and other pieces of research into the Elizabethan drama. O:2J64:9 G45

SPRAGUE (Arthur Colby). Shakespeare and the audience: a study in the technique of exposition. O:2J64:9 G52

RIDLEY (M. R.). Shakespeare's plays: a commentary. O:2J64:9 G7

CHARLTON (H. B.). Shakespearian comedy. O:2J64:9 G8

ELLIS-FERMOR (Una). Some recent research in Shakespeare's imagery. O:2J64:90P:75 G7

O:2J64:90 Shakespearean Criticism from Special Points of View

STOLL (Elmer Edgar). Shakespeare's young lovers. O:2J64:90S:55 G7

CLARK (Cumberland). Shakespeare and home life. O:2J64:90Y1 G5

Other Elizabethan Dramatists

JONSON (Ben). Collected works, ed. by C. H. Herford and Percy Simpson. V. 5—6. O:2J73x F5.5—F5.6

MARSTON (John). The plays, ed. ..., by H. Harvey Wood. V. 2. O:2J75x G4.2

McKEITHAN (Daniel Morley). Debt to Shakespeare in the Beaumont and Fletcher plays. O:2J84:9 G8

BOYLE (Roger), (*i.e.* Earl of Orrery). Dramatic works, ed. by William Smith Clark, 11. 2 V. O:2K24x G7.1—G7.2

ALLEN (Ned Bliss). Sources of John Dryden's comedies.
0:2K31:90z G5

STEIN (Elizabeth P.). David Garrick, dramatist.
0:2L171:9 G7

PAGE (Eugene R.). George Colman, the elder: essayist, dramatist, and theatrical manager, 1732—1794.
0:2L32w G5

Modern English Drama

0:2M57 Bernard Shaw

HENDERSON (Archibald). Bernard Shaw: playboy and prophet. 0:2M57w G2

HACKETT (J. P.). Shaw: George versus Bernard.
0:2M57:9 G7

BARRIE (J. M.). Greenwood hat, being a memoir of James Anon, 1885—1887, etc. 0:2M60w G7

ROY (James A.). James Matthew Barrie: an appreciation. 0:2M60w G7

YEATS (W. B.). Wheels and butterflies.
0:2M651:51 G4

——— The Herne's egg: a stage play.
0:2M651:52 G8

HOUSMAN (Laurence). Golden sovereign.
0:2M68:51 G7

Post-War Drama

AUDEN (W. H.) and ISHERWOOD (Christopher). On the frontier: a melodrama in three acts.
0:2N071:I2 G8

SPENDER (Stephen). Trial of a judge: a tragedy in five acts. 0:2N09:11 G8

O:3 English Fiction

BAKER (Ernest A.). History of the English novel. V. 7. Age of Dickens and Thackeray. O:3vM6 G6

——— ——— V. 8. From the Brontes to Meredith: Romanticism in the English Novel. O:3vM9 G7

——— ——— V. 9. The day before yesterday. O:3vN0 G8

LAS VERGNAS (Raymond). Chesterton, Belloc, Baring, tr. by C. C. Martindale. O:3:9M7 G8

Individual Novelists

(Arranged in Chronological Order).

LEACH (MacEdward). *Ed.* Amis and Amiloun. O:3H18 G7

SUTHERLAND (James). Defoe. O:3K61w G7

SALE (William Merritt). Samuel Richardson: a bibliographical record of his literary career with historical notes. O:3K89a G6

TOURTELLOT (Arthur Bernon). Be loved no more: the life and environment of Fanny Burney, etc. O:3L52w G8

SCOTT (Walter). Journal. 1825—1832. 2 V. O:3L71w G6.1—G6.2

TAIT (J. G.). Sir Walter Scott's journal and its editor. O:3L71w G6.2—1

AUSTEN-LEIGH (Emma). Jane Austen and Stevenson. O:3L75w G7

MUDGE (Isadore Gilbert), *etc.* Thackeray dictionary, etc. O:3M11k E0

GULLIVER (Harold Strong). Thackeray's literary apprenticeship, etc. O:3M11:9 G4

PIERCE (Gilbert A.). Dickens dictionary, a key to the characters and principal incidents in the tales of Charles Dickens with additions by William A. Wheeler. O:3M12*k* A

WHITE (W. Bertram). Miracle of Haworth: a Bronte study. O:3M16*w* G7

BRONTE (Charlotte) and BRONTE (Patrick Branwell). Miscellaneous and unpublished writings. V. 2. O:3M16*x* G6.2

MUDGE (Isadore Gilbert), *etc.* A George Eliot dictionary: the character and scenes of the novels, stories and poems alphabetically arranged. O:3M20*k* F4

WOODS (Alice). George Meredith as champion of women and of progressive education. O:3M29:90Y115 G7

RUTLAND (William R.). Thomas Hardy: a study of his writings and their background. O:3M40:9 G8

ARKELL (Reginald). Richard Jefferies. O:3M48*w* G3

FERGUSON (Walter D.). The influence of Flaubert on George Moore. O:3M52:900122 G4

CONRAD (Joseph). Prefaces to his works, with an introd. essay by Edward Garnett and a biographical note on his father by David Garnett. O:3M58:9 G7

MACMUNN (George). Rudyard Kipling: craftsman. O:3M64:9 G8

DREISER (Theodore). A history of myself. 2 V. O:3M712*w* F9.1—F9.2

——— Twelve men. O:3M712:32 G0

CHESTERTON (Gilbert Keith). Autobiography. O:3M74*w* G7

SMYTH (Ethel). Maurice Baring. O:3M741:9 G8

O:3M742 Maugham

MAUGHAM (W. Somerset). Summing up. O:3M742*w* G8

CORDELL (Richard A.). W. Somerset Maugham. O:3M742:9 G7

WARD (Richard Heron). William Somerset Maugham. O:3M742:9 G71

REID (Forrest). Peter Waring. O:3M763:11 G7

SINCLAIR (Upton). No Pasaran: They shall not pass: a story of the Battle of Madrid. O:3M782:64 G7

——— Manassas: a novel. O:3M782:65 G7

MACAULAY (Rose). Writings of E. M. Forster. O:3M80:9 G8

TSCHIFFELY (A. F.). Don Roberto, being the account of the life and works of R. B. Cunninghame Graham, 1852—1936. O:3M82*w* G7

JOYCE (James). Ulysses. O:3M83:13 G7

SITWELL (Edith). I live under a black sun: a novel. O:3M872:11 G7

BECK (L. Adams). House of fulfilment: a romance of the soul. O:3M884:11 G6

Post-War Fiction

ELWIN (Verrier). Phulmat of the hills: a tale of the Gonds. O:3M925:12 G7

LEWIS (Wyndham). Blasting and bombardiering. O:3M962*w* G7

PROKOSCH (Frederic). The Asiatics. O:3N051:11 G7

——— The seven who fled: a novel. O:3N051:12 G7

INNES (Michael). Hamlet, revenge?: a story in four parts. O:3N062:12 G7

SAROYAN (William). The Daring young man on the flying trapeze and other stories.
O:3N081:11 G7

SPENDER (Stephen). Burning cactus. O:3N09:11 G6

SHELLABARGER (Samuel). Lord Chesterfield.
O:4K94*w* G5

O:6 English Prose

O:6*x* Selections

WITHINGTON (Robert). *Ed.* Essays and characters: Montaigne to Goldsmith. O:6*x*L2 G3

GEORGE (Daniel). *Coll.* A peck of troubles or an anatomy of woe, etc. O:6*x*M6 G6

Individual Prose-Writers

(*Arranged in Chronological Order*)

ROLLE (Richard). English writings, ed. by Hope Emily Allen. O:6H02*x* G1

BEATTIE (Lester M.). John Arbuthnot: mathematician and satirist. O:6K68:9 G5

JOHNSON (Samuel). Prefaces and dedications, [*comp.*] by Allen T. Hazen. O:6L09*x* G7

——— (Edith Christina). Lamb always Elia.
O:6L76*w* G51

MACCARTHY (Desmond). Leslie Stephen.
O:6M322:9 G7

SYMONS (Arthur). Study of Walter Pater.
O:6M39:9 G2

A. E. *Pseud.* (*i.e.* George William Russell) Living torch, ed. by Monk Gibbon, with an introd. essay.
O:6M641:4 G7

WELLS (H. G.). World brain. O:6M661:72 G8

SQUIRE (John). Reflections and memories. O:6M843:22 G5

POUND (Ezra). Polite essays. O:6M851:11 G7

——— Guide to kulchur. O:6M851:12 G8

SITWELL (Osbert). Penny foolish: a book of tirades and panegyrics. O:6M925:12 G5

O:9 English Literary Criticism

(*From Special Points of View*)

MATTHIESSEN (F. O.). Translation: an Elizabethan art. O:90P:5 G1

ELIOT (T. S.). After strange gods: a primer on modern heresy. O:90Q G4

MACLEAN (Kenneth). John Locke and English literature of the eighteenth century. O:90RxK31 G6

DAICHES (David). Literature and society. O:90Y1 G8

MURRY (John Middleton). Heaven— and earth. O:90Y1:1 G8

EMPSON (William). Some versons of pastoral. O:90Y131 G5

ALEXANDER (Calvert). Catholic literary revival: three phases in its development from 1845 to the present. O:90Y19Q62 G3

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CRUSE (Amy). Victorians and their books. (*Published in U.S.A. as* The Victorians and their readings). O:9M5 G51

INGE (W. R.). Modernism in literature. O:9M8 G71

WALDOCK (A. J. A.). James Joyce, and others. O:9M8 G72

SPENDER (Stephen). Destructive element.
O:9M8 G8

LEACOCK (Stephen). Humour and humanity: an introd. to the study of humour. O:9M9 G7

DAICHES (David). New literary values: studies in modern literature. O:9M9 G6

O113 German Literature

O113:1 German Poetry

CLOSS (A.). Genius of the German lyric: an historic survey of its formal and metaphysical values.
O113:1*v*N3 111G8

GOETHE (Johann Wolfgang von). Sammtliche Werke. Bds. 3—12; 15—22; 25—40. (Bound in 17 vols).
O113:1L49*x* A.1—A.17

STAWELL (F. Melian), *etc.* Goethe and Faust: an interpretation, with passages newly tr. into English verse. O113:1L49:1:9 111F8

UNTERMEYER (Louis). Heinrich Heine.
O113:1L97*w* 111G8

HEINE. Book of songs, tr. by John Todhunter.
O113:1L97*x* 111D7

O113:2 German Drama

LESSING (Gathhold Ephraim). Gesammelte Werke. 6B.
O113:2L29*x* F1.1—F1.6

GARLAND (H. B.). Lessing, the founder of modern German literature. O113:2L29:9 113G7

O113:3 German Fiction

CERF (Bennett A.). *Ed.* Great German short novels and stories. O113:3*x*M8 111G3

KELLER (Gottfried). Gesammelte Werke. 5 B.
O113:3M19*x* F1.1—F1.5

O115 Norwegian Literature

UNDSET (Sigrid). Wild orchid, tr. by Arthur G. Chater.
O115:3M82:33 111G2

——— Burning bush, tr. by Arthur G. Chater.
O115:3M82:34 111G2

——— Faithful wife, tr. by Arthur G. Chater.
O115:3M82:44 111G7

O12 Latin Literature

MANILII (M.). Astronomican, ed. by A. E. Housman. 5 Libers. O12:1D02:1 G7.1—G7.5

McCREA (Nelson Glenn). Literature and liberalism with other classical papers, etc. O12:9*x*M63 111G61

O121 Italian Literature

ROBB (Nesca A.). Neoplatonism of the Italian renaissance. O121:*v*J6 111G5

O121:1G65 Dante

DANTE (Alighieri). Vita nuova and Canzoniere.
O121:1G65*w* 111G3

——— Inferno, with a tr. into English triple rhyme by Laurence Binyon. O121:1G65:1 111G3

——— Divine comedy. 3 V.
O121:1G65:1 111G7.1—G7.3

——— Convivio. O121:1G65:2 111G1

O121:2 Italian Drama

LEA (K. M.). Italian popular comedy: a study in the commedia dell'arte, 1560—1620, with sp. ref. to the English stage. 2 V.
O121:2*v*K2 111G4.1—G4.2

STARKIE (Walter). Luigi Pirandello, 1867—1936.
O121:2M67:9 111G7

O121:3 Italian Fiction

BOCCACCIO (Giovanni). Early English versions of the tales of Guiscardo and Ghismonda and Titus and Gisippus from the Decameron, ed. by Herbert G. Wright. O121:3H13*x* 111G7

O122 French Literature

O122:*v* History

MAYNIAL (Edouard). L'epoque realiste. O122:*v*M8 G1

ALAIN. *Pseud.* (*i.e.* Emile Auguste Chartier). Propos de litterature. O122:*v*M8 G4

BILLY (Andre). Les ecrivains de combat. O122:*v*N0 G1

LANSON (Gustave). Histoire de la litterature Francaise. O122:*v*N0 G8

LALOU (Rene). Histoire de la litterature Francaise contemporaine 1870 a nos jours. O122:*v*N2 G1

PARIS (Gaston). Recits extraits des poets et prosateurs du moyen age mis en Francais moderne. O122:*x*K9 G6

O122:1 French Poetry

CHARPENTIER (John). L'evolution de la poesie lyrique: De Joseph Delorme a Paul Claudel. O122:1*v*N2 G0

THERIVE (Andre). Le Parnasse. O122:1*x*M7 F9

ANTHOLOGIE de la nouvelle poesie Francaise. O122:1*x*M9 G0

LALOU (Rene). Vers une alchimie lyrique: saint Beuve, Aloysius Bertrand, Gerard de Nerval, Baudelaire. O122:1:9M2 F7

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RONSARD (Pierre de). Sonnets pour Helene, with English renderings by Humbert Wolfe.
O122:1J24x G4

CHATEAUBRIAND (Francois Rene de). Memoires d'outre Tombe, ed. by Paul Gautier. O122:1L68w G6

VIGNY (Alfred de). Poemes: poemes antiques et modernes, poems philosophiques. O122:1L97x G5

HUGO (Victor). Les chatiments. O122:1M02:11 F3

——— La legende des siecles. 4 T.
O122:1M02:12 F7.1—F7.4

BAUDELAIRE (Charles). Morceaux choisis: poemes et proses. Introd. et notes par Y. G. Le Dantec.
O122:1M21x F9

SOUPAULT (Philippe). Baudelaire. O122:1M21:9 G1

MALLARME (Stephane). Poesies. O122:1M42x G7

VERLAINE (Paul). Oeuvres completes. 5 T.
O122:1M45x F3.1—F3.5

——— Oeuvres posthumes. 3 T.
O122:1M45x F7.1—F7.3

LAUTREAMONT (Comte de). (*i.e.* Isidore Ducasse). Oeuvres completes: Les chants de Maldoror, poesies and lettres, ed. by Edmond Jaloux.
O122:1M46x G7

FONDANE (Benjamin). Rimbaud le voyou.
O122:1M54w G3

STARKIE (Enid). Arthur Rimbaud in Abyssinia.
O122:1M54w 111G7

GIDE (Andre). Les nourritures terrestres.
O122:1M69:14 F1

VALERY (Paul). Poesies. O122:1M71x G6

BOSANQUET (Theodora). Paul Valery.
O122:1M71:9 111G3

ELUARD (Paul). Capitale de la Douleur: repetitions, mourir de ne pas nourir, les petits justes nouveaux poemes. O122:1M73*x* F6

O122:2 French Drama

DE SMET (Robert). Le theatre romantique: Victor Hugo, Alexander Dumas, Alfred de Vigny, Alfred de Musset. O122:2:9M1 F9

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MOLIERE (Jean-Baptiste Poquelin). Theatre choisi ... ed. by Ernest Thirion. O122:2K22*x* G6

CORNEILLE (Pierre). Theatre choisi, avec notices et annotations par Paul Desjardins, etc.
O122:2K25*x* G7

RACINE (Jean). Theatre complet, ed. by N. M. Bernardin. 4 T. O122:2K39*x* B2.1—B2.4

——— Theatre choisi ... ed. by G. Lanson.
O122:2K39*x* G5

MARIVAUX (Piere Carlet de Chamblain de). Theatre. 2 V.
O122:2K88*x* G0.1—G0.2

MIRBEAU (Octave). Les affaires sont les affaires.
O122:2M48:3 G1

MAETERLINCK (Maurice). L'oiseau bleu.
O122:2M62:11 G6

——— Betrothal or the blue bird chooses, ... by Alexander Teixeira de Mattos.
O122:2M62:14 111F1

CLAUDEL (Paul). L'Annonce faite a Marie.
O122:2M67:11 G8

——— L'otage. O122:2M67:12 G5

MADAULE (Jacques). Le drama de Paul Claudel, etc.
O122:2M67:9 G6

ROSTAND (Edmond). Cyrano de Bergerac, etc.
O122:2M68:22 C7

——— Cyrano de Bergerac, tr. by Brian Hooker, etc.
O122:2M68:22 111F3

GIRAUDOUX (Jean). La Guerre de Troie N'Aura pas lieu.
O122:2M82:11 G5

ROMAINS (Jules). Theatre. V. 1. Knock ou le triomphe de la medecine; M. Le Trouha dec saisi par la debauche. O122:2M852:11 G8

COCTEAU (Jean). Orphee: a tragedy in one act and an interval, tr. by Carl Wildman.
O122:2M91:12 111G3

O122:3 French Fiction

HYTIER (Jean). Les romans de l'individu: Constant, Sainte-Beuve, Stendhal, Merimee, Fromentin, etc.
O122:3:9M2 F8

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(Arranged in Chronological Order)

RABELAIS (Francois). Oeuvres, ed. avec notice bibliographique par Henri Clouzot. 2 T.
O122:3I95*x* F6.1—F6.2

——— Gargantua and Pantagruel. 2 V.
O122:3I95*x* 111G2.1—G2.2

LA FONTAINE (Jean de). Fables, contes et nouvelles, ed. by Edmond Pilon, etc. O122:3K21*x* G2

——— Fables, tr. into English verse by Edward Marsh, with twelve reproductions from engravings by Stephen Gooden. O122:3K21*x* 111G3

LAFAYETTE (Madame de). La princesse de cleves, ed. par Albert Cazes. O122:3K34:1 G4

VOLTAIRE (F. Arouet De). Romans et contes. O122:3K94*x* G8

PREVOST (L'Abbe). Histoire du Chevalier des Grieux et de Mamon Lescaut. O122:3K97:1 G6

ROUSSEAU (J. J.). Les confessions; les reveries du promeneur solitaire, ed. by Louis Martin-chauffier. O122:3L12*w* G3

CONSTANT (Benjamin). Adolphe: Le Cahier Rouge. O122:3L67:1 G1

STENDHAL. *Pseud.* (*i.e.* Henri Beyle). Les Romans. 3 T. O122:3L83*x* G2.1—G2.3

BLUM (Leon). Stendhal et le Beylisme. O122:3L83:9 G0

VIGNY (Alfred de). Servitude et grandeur militaires. O122:3L97:11 F5

O122:3L99 Balzac

BALZAC (Honore de) and CARRAUD (Zulma). Unpublished correspondence, 1829—1850, tr. ..., by J. Lewis May. O122:3L99*w* 111G7

——— Eugenie Grandet. O122:3L99:12 G4

——— Eugenie Grandet, tr. by Ellen Marriage, etc. O122:3L99:12 111G0

——— Ursule mirouet, etc. O122:3L99:17 111F5

——— Lost illusions, tr. by Ellen Marriage, etc. O122:3L99:18 111F5

——— The quest of the absolute, tr. by Ellen Marriage, etc. O122:3L99:22 111G6

——— At the sign of the cat and racket and other stories, tr. by Clara Bell, etc. O122:3L99:31 111G0

BALZAC (Honore de). The atheist's mass and other stories, tr. by Clara Bell, etc.
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——— Old Goriot, tr. by Ellen Marriage, etc.
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——— The rise and fall of Cesar Birotteau, tr. by Ellen Marriage, etc. O122:3L99:45 111F5

——— Cousin Pons. 2 T.
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——— Christ in Flanders and other stories, tr. by Mrs. Clara Bell, etc. O122:3L99:84 111G1

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HUGO (Victor). Notre-dame de Paris. 2 V.
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——— Quatrevingt-Treize. 2 T.
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DUMAS (Alexandre). Les trois mousquetaires. 2 T.
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SAND (George). Histoire de ma vie. 4 T.
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——— Salambo, tr. by E. Powys Mathers, etc. O122:3M23:6 111G1

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ABBAS KHALILI. Intiqam. O164:3M82:11 G3

ABUL QASIM PAINDA. Qatil. O164:3M84:11 G4

SAYYID HUSAIN KABIR. Kinar-i-chaman.
O164:3M88:11 G5

ITISAM ZADAH. Hazar wa yak Khanda. 2 V.
O164:6xM8 G1.1—G1.2

O28 Arabic Literature

FREYTAG (G. W.). Darstellung der arabischen Verskunst mit sechs Anhaengen, etc. O28:1:90P 113A

HARTMANN (Martin). Metrum und Rhythmus: die Entstehung der arabischen Versmasse. O28:1:90P 113C6

IQBAL (Abbas). Sharh-i-Hal-i-Abdullah ibn al-Maqaffa-Farsi. O28:1D67*w* 164F6

MATHERS (Powys). *Tr.* Book of the thousand nights and one night. 4 V. O28:3D95 111G7.1—111G.4

O31 Tamil Literature

TANJAI KARANDAI TAMIL SANGAM. *Ded.* Karandai katturai vellivila ninaivumalar. O31*l*2:N13*j* G8

ARAVAMUTHAN (T. G.). Tamil traditions: two studies. O31:*v*K0 G2

O31:1 Tamil Poetry

SOMASUNDARA DESIKAR (S.). Tamiḻppulavargaḷ varalaṟu padinārām nūṯrāndu. O31:1*w*J7 G6

RAGAVA IYENGAR (M.). Sasanattamilkkavi charitam. O31:1*w*L0 G7

Individual Poets

(*Arranged Chronologically*)

NALLANDUVANAR. Kalittokai mulamum, T. A. Kanakasabapathi Mudaliar iyatriya vilakka uraiyum: Palaikali. O31:1A6 G7

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TIRUVALLUVAR. Sacred kural or the Tamil veda, sel. and tr. . . ., by H. A. Popley. 031:1B5*x* 111G1

——— Tirukkural with a comm. by Parimelalakar. Arattuppal, ed. by V. M. Sadagoparamanujachariar. 031:1B51 G7

CHOKKANADHA PILLAI (Palapattada). Alagar killai vidu dhudu, ed. by U. V. Saminatha Iyer. 031:1L28:2 G8

SAMINATHA IYER (U. V.). *Ed.* Siramalaik kovai. 031:1L50 G7

RAGAVA IYENGAR (R.). Pari katai, with comm. 031:1M81:11 G7

———

——— (M.). Collected essays (Ārāycchittohudi), etc. 031:6M782*x* G8

O32 Malayalam Literature

O32:1 Poetry

Individual Poets

(*Arranged Chronologically*)

TUNCHAT EZUTHATCHAN. Adyatma Ramayanam: kilippattu, ed. by C. K. Achyuta Warriar. 032:1K20:31 G8

BHASKARA MENON (M.). Dhurmohanarmokti. 032:1M848:11 G8

NARAYANA MENON (N.). Pugayila mahalmyam. 032:1M86:13 E4

AMBADEVI THAMBURATTI. Amrta madhanam. 032:1M903:11 F6

O32:2 Malayalam Drama

Individual Dramatists

(Arranged Chronologically)

O32:2M57 Raman Pillai

RAMAN PILLAI (C. V.). Kurippillak kulari.
O32:2M57:11 E7

——— Cheruten Kolambus. O32:2M57:13 E8

——— Kaimalasanude kadasikai. O32:2M57:14 E8

——— Doctorkku kittiya micham. O32:2M57:21 G7

——— Papi chellanadam patalam. O32:2M57:22 E9

——— Kurippinude' tirippu. O32:2M57:23 E9

——— Tentanan Kollu Harichandran
O32:2M57:24 F4

——— Pandathy patchen. O32:2M57:31 G7

KRISHNA PILLAI (E. V.). Mayamanushan.
O32:2N02:25 G5

IKKAVAMMA (T.). Subhadrarjuna. O32:2N042:11 G4

RAMAN NAMBUDIRI (E. V.). Mahilakolude mokshamargam.
O32:2N044:11 F3

O32:3 Malayalam Fiction

Individual Novelists

(Arranged Chronologically)

VARGHESE (K. M.). Mathews Athanasyosiyunde Panchakalyani.
O32:3M21:1:9 F7

PADMANABHA PILLAI (M.). Mathews Anthanesiusinude Panchakalyani: oru nirupanam.
O32:3M21:1:9 F9

KRISHNA PILLAI (P. N.). Unnikittan.
O32:3M534:11 D5

GOPALA PILLAI (P. P.). Sarada. Pt. 2.
032:3M60:12 G6

KRISHNA PISHAROTI (A.). Taraka. 032:3M701:11 F1

BALAKRISHNA PILLAI (A.). Randu sahasika yatrakal.
032:3M722:12 F0

——— Sandilya. 032:3M722:13 F0

NANU PILLAI ASAN (T.). Prabhavati.
032:3M723:11 G4

PARAMESWARA IYER (U. S.). Matrika jivitangal. Pt. 1.
032:3M77:11 F1.1

SADASIVAN PILLAI (C.). Sindhupadan.
032:3M788:11 E5

NARAYANA PANIKKAR (E.). Premotkarsham.
032:3M794:14 E5

KRISHNA PILLAI (B.). Jayachandran.
032:3M795:11 E5

RAMA VARRIER (S.). Kusumotsavam
032:3M802:12 G4

KRISHNAN TAMBI (V.). Swiss family Robinson: Kappan chetam. 032:3M804:11 G3

NARAYANA PILLAI (V. K.). Ratnapuri.
032:3M822:11 G2

KRISHNAN NAIR (K.). Marakatamani.
032:3M84:12 G0

VANABALA. 032:3M847:11 F4

ANANTHAN PILLAI (P.). Kuttappa Menon.
032:3M853:11 E1

VENKITARAMA NAIDU (N.). Ananta Mohana Bhasa.
032:3M882:13 F9

KESAVA PILLAI (K. P.). Bhanumati.
032:3M884:11 F3

DAMODARAN (K.). Pranaya pasam.
032:3M885:11 G1

UNNI KRISHNAN NAIR (V.). Ravikiranam.
O32:3M891:11 G2

MADHAVA WARRIAR (M. R.). Buddhimanaya ahikkar.
O32:3M894:12 F9

KESAVA PILLAI (M. G.). Svarnacharmam.
O32:3M896:11 E5

PARAMESWARAN PILLAI (N.). Malaviyam.
O32:3M921:11 G5

JANARDHANA MENON (K.). Srirāgam.
O32:3M93:31 F3

GOVINDA PILLAI (M. K.). Tārābhai.
O32:3M933:11 F6

——— Vijayalakshmi or dhiranaya oru rajaputra yuvati. O32:3M933:12 F0

PARAMESWARAN PILLAI (V. K.). Anganachumbanam. 3 Pts. O32:3M943:12 F6.1—F6.3

——— Atbhuta saudam or Radhayude rahasyam.
O32:3M943:13 F4

——— Premotkarsham. O32:3M943:14 F6

PADMANABHA MENON (S.). Premaprabhavam.
O32:3M944:11 F8

——— Lokaprabhavam. Pt. 1. O32:3M944:12 G0.1

PARAMESWARA PILLAI (A. V.). Syāmala.
O32:3M946:15 G0

LAKSHMANA PILLAI (P. G.). Rukmani Bhai.
O32:3M956:11 F9

——— Sarasvatika or Atbhuta Kavimanga.
O32:3M956:12 F9

GOVINDA PANIKKAR (M.). Karmabhumi.
O32:3M957:11 F9

NARAYANA PILLAI (M. R.). Amirhamsa. 2 Pts.
O32:3M961:13 F8.1—F8.2

——— Angadan. O32:3M961:14 E8

RAMASUBBA SASTRI (S.). Saramulla irupath onpatu kathaikal. 032:3M962:11 E5

SUBRAHMANYA POTTI (C. S.). Durgesanandini. 032:3M963:11 G7

VELU PILLAI (C. R.). Sarojini. 032:3M964:11 F9

GOPALA PILLAI (V. S.). Sivajiude pratikāram. 032:3M965:11 F9

——— Avalude atbhuta premam. 032:3M966:11 G3

GOPALAKRISHNA IYER (P. V.). Bhumiyil ninnu chandranilekku. 032:3M973:12 F6

VARGHESE MAPPILLAI (T. M.). Maria Kutty or sarvam swarnamayam. 032:3M975:11 F2

PAUL (Pilo). Undine. 032:3M976:11 F3

ZACHARIA (K. M.) and GOPALA KURUP (C. N.). Vijayarudran. 2 Pts. 032:3M977:11 F9.1—F9.2

RAMAKRISHNA PILLAI (G.). Umadevi. 032:3M978:11 G0

NARAYANA MENON (K.). Sucharitakal. 2 Pts. 032:3M986:12 F6.1—F6.2

BAPPU RAO (N.). Vāsini. 032:3M988:11 G0

——— Pranaya pratikāram. 032:3M988:12 G1

——— Māyāmandalam. 032:3M988:13 G4

SANKARA SUBRAHMANYA SASTRI (P.). Lāvanyamayi. 032:3M99:11 G5

CHANDRASEKHARAN PILLAI (V. P.). Bhāshpa mandapam. 032:3M991:12 G0.1

JOSEPH (M. Y.). Satyavalli or basket of flowers. 032:3M992:11 G5

——— (P. P.). Mantravāti. 032:3M993:11 G7

KOCHU THOMMAN APOTHECARY. Parishkārappāthi. 032:3N001:11 F6

PAPPU PILLAI (K.). Avivekatālundāya āpattu.
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O32:3N02:22 F9

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O32:3N024:11 G0

KUNJURAMAN (C. P.). Ramadevanum Janakiyum.
O32:3N025:11 G4

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BHAGAVATI AMMA (K. G.). Adrushtam or Velu Pillai peishkar. O32:3N027:11 F9

MADHAVI AMMA (K.). Vīrakesari. O32:3N028:11 F8

CHANDY (P. T.). Prema bhandam. O32:3N032:11 F6

CHERIYAN (T. P.). Pithrupālakam.
O32:3N033:11 F9

ESO (V. K.). Yenikkupatriya apakatangal.
O32:3N034:11 F7

RAMA KURUP (K.). Saudāmini. O32:3N043:11 G2

NAIR (N. C.). Mangalodayam. O32:3N045:11 F7

——— Premalata. O32:3N045:12 G4

——— Nilambhujam. O32:3N045:13 G0

RAGHAVAN PILLAI (P. K.). Malayan.
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SIVASANKARA PILLAI (N.). Chandraleka.
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KUMMINI AMMA (A. C.). Sulochana.
O32:3N062:11 G0

SANATANA valli. O32:3N23:12 G6

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MOHINI BAI. 032:3N23:21 G4

SUMUKHI. 032:3N23:22 F8

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BHAVANISA KAVI (E.). Dharma khandamu. 2 V. O35:1K65:11 G1.1—G1.2

SUBRAHMANYA KAVI (A.). Bhadraparinayamu. O35:1M31:11 E2

VENKATESWARA KAVI (V.). Ramachandropakhyanamu. O35:1M32:11 E1

SUBBARAYA SASTRI (D.). Mahendra vijayamu. O35:1M53:11 D7

——— Rama raja vilasamu. O35:1M53:12 E1

RAMAKRISHNA RAO (A.). Mallikamba. O35:1M751:11 E5

VENKATARAMAKRISHNA (O.). Andhra kathasaritsagaramu. 4 Pts. O35:1M872:1 [G6].1—[G6].4

VENKATA RAO (B.). Andhratejamu. O35:1M902:11 G6

O35:1M924 Venkata Rao

VENKATA RAO (K.). Prakritichandanamu. O35:1M924:11 F2

——— Atmavyakti. O35:1M924:12 F2

——— Agadapalu. O35:1M924:13 F9

——— Kumara kanthamu. O35:1M924:14 F4

——— Matradesa sankirtanamu. O35:1M924:15 F4

VENKATA RAO (K.). Janapadamulu. O35:1M924:16 F4

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——— Chaduvuladutta. O35:1M924:22 F9

——— Chitti kaita. O35:1M924:23 F9

——— Vividha kusumavali. Guccha. 1. O35:1M924:24 G0

——— Traya: sangraha sakuntalamu, Punaragamanamu, Kavitanveshanamu. O35:1M924:25 G0

——— Kalaritamu. O35:1M924:26 F6

O35:1M951 Visvanatha Satyanarayana

VISVANATHA SATYANARAYANA. Andhra prasasti. O35:1M951:11 G2

——— Kinnarasani patalu: Kokilammapelli. O35:1M951:12 G4

——— Sringara vidhi. O35:1M951:13 G7

ANJANEYA KAVI (P.). Divantamu. Pt. 2. O35:1N01:1 G6.2

O35:2 Telugu Drama

YALLANARYUDU (C.). Vishnu maya natakamu. O35:2J00:1 G7

LAKSHMINARAYANA (Unnava). Nayakuralu. O35:2M91:11 F6

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——— Koneru. O35:2M924:12 G0

VISVANATHA SATYANARAYANA. Anarkali. O35:2M951:11 G3

——— Venaraju. O35:2M951:12 G6

BANGARAYYA (Nanduri). Rajyalakshmi. O35:2N08:11 G8

O35:3 Telugu Fiction

VENKATACHALAM (G.). Venkatachalam kathalu.
O35:3M89:11 G8

SRINIVASA SIROMANI. Siromani kathalu.
O35:3M92:11 G8

VENKATA RAO (K.). Potti kata. O35:3M924:11 F9

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O35:3M951:11 G5

O35:6 Telugu Prose

SAMIKSHA. O35:6*x*M7 G7

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O35:7 Telugu Campu

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P Linguistics

The following are the chief divisions under which the books in Linguistics are grouped:—

P*p*	Congresses
P*z*	Comparative linguistics
P:1	Phonology
P1	Indo-European linguistics
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P111:J	Modern English
P111:J0	Modern English dialects and jargons
P111:J:3	Modern English words
P111:J4	Modern English semasiology and dictionaries.
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Q125:214 15D8

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CHINNASWAMI SASTRI (A.), *etc. Eds.* Catapatha brahmana of the white yajurveda in the Madhyandina recension. Pt. 1. Q127:22 15G7.1

Q13 Samavedic Religion

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Q131:21 15G6.1

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SPENS (Maisie). Concerning Himself. Q6:33 G7

Q6:4 Religious Practices

PRIEBSCH (Robert). Letter from heaven on the observance of the Lord's day. Q6:43 G6

UNDERHILL (Evelyn). Worship. Q6:455 G6

BARTH (Karl), *etc.* God's search for man: sermons, tr, by George W. Richards, etc. Q6:52 G51

EDDY (Mary Baker). Science and health, with key to the scriptures. Q6873M66 G4

Q7 Muhammadanism

MUHAMMAD INAYAT ALI. *Ed.* Mishab-al-Turquān fi Lughat-al-Quran. Q7:21*k* 28G8

SARWAR (Hafiz Ghulam). *Tr.* Holy Qur-an, from the original Arabic text, with critical essays, life of Muhammad, complete summary of contents. Q7:21 F9

MAHAMMUD (Saiyed). *Tr.* Selected Muhammadan traditions. Q7:26 D6

MOHAMMAD IBN MUNAWWAR. Asrar-ut-tawhid fi maqamat-i-Abi Said; and containing another pamphlet Risala-i-Huraiyya by Abdulla Ibn Mahmud Shashi. Q7:62 164G5

Q84 Chinese Religions

CONFUCIUS. The Analects or the conversations of Confucius with his disciples and certain others, tr. by William Edward Soothill, ed. by Lady Hosie. Q8412:216 G7

CROW (Carl). Master kung: the story of confucius. Q8412:33 G8

LAO TZU. Tao teh king, ... tr. by Isabella Mears. Q8413:216 F21

WALEY (Arthur). Way and its power: a study of the Tao teaching and its place in Chinese thought.
Q8413:216 G6

LAO TZU. Tao te Ching, tr. by Ch'u Ta-kao.
Q8413:216 G7

QM75 Theosophy

BESANT (Annie). The building of the kosmos and other lectures. QM75z7 C4

——— The work of theosophy in the world: a lecture.
QM75z7 D5

——— Theosophy: its meaning and value.
QM75z7 D9

——— Three paths to union with God. QM75z7 E0

———, *Comp.* The doctrine of the heart: extracts from Hindu letters. QM75z7 F0

——— The great plan. QM75z7 F11

JINARAJADASA (C.). The faith that is the life.
QM75z7 F12

BESANT (Annie), *etc.* Theosophy and world problems.
QM75z7 F2

——— The ideals of Theosophy. QM75z7 F3

WAYFARER. *Pseud.* Sketches of great truths.
QM75z7 F31

M. C. *Pseud.* Light on the path and karma.
QM75z7 F4

JINARAJADASA (C.). I promise: talks to young disciples.
QM75z7 F41

BESANT (Annie), *etc.* Theosophy as the basic unity of national life. QM75z7 F5

JINARAJADASA (C.). The mediator and other theosophical essays. QM75z7 F61

LEADBEATER (C. W.), *etc.* The theosophist's attitude, to death and the unseen; to nationalism and internationalism; to science and its message; and to art and the arts. QM75z7 F71

BESANT (Annie). Five sermonettes, delivered in the liberal catholic church in Huizen, Holland, 1927. QM75z7 F9

ARUNDALE (George S.). The life magnificent. QM75z7 F91

BESANT (Annie). You create your own future: deeds and their consequences. QM75z7 G0

HODSON (Geoffrey). First steps on the path. QM75 F7

——— Thus have I heard: a book of spiritual and occult gleanings from the teachings of the great. QM75 G06

GUENON (Rene). Le theosophisme histoire d'une pseudo-religion. QM75 122F3

SINNETT (A. P.). Nature's mysteries and how theosophy illuminates them. QM750A E3

LEADBEATER (C. W.). Australia and New Zealand: the home of a new sub-race: four lectures delivered at Sydney, Aug. 1915. QM750Y17 E6

R Philosophy

The following are the chief divisions under which the books in Philosophy are grouped:—

R*v*	History of philosophy
R*w*	Biography
R*x*	Classics and collections
R*x*C42	Plato
R*x*M13	Kierkegaard
R*x*M80	Keyserling
R	Treatises
R1	Logic
R2	Epistemology
R3	Metaphysics
R3:A to R3:G	Philosophy of science
R3:Q	Philosophy of religion
R3:Q:34	Soul
R3:Q2	Philosophy of Hinduism
R3:Q6	Philosophy of Christianity
R39Y	Humanism
R4	Ethics
R43	Social ethics
R5	Aesthetics
R6	Indian philosophy
R631	Sankhya philosophy
R635	Yoga philosophy
R641	Nyaya philosophy
R65	Vedanta philosophy
R65:0	Upanishadhic philosophy
R65:6	The Gita

R66*x*	Classics in advaita philosophy
R66	Treatise on advaita philosophy
R66:0 to R66:4	Advaidic commentaries on the Upanishads
R66:5	Advaidic commentaries on the Brahmasutra
R66:6	Advaidic commentaries on the Gita
R663	Pratyabhijna (Kashmiri Saivaite) philosophy
R67	Visistadvaita
R672	Vaishnava visishtadvaita
R672:0	Visishtadvaitic commentaries on the Upanishads
R672:5	Visishtadvaitic commentaries on the Brahmasutra
R673	Saiva siddhanta
R673:5	Saiva siddhanta commentaries on the Brahmasutra
R68	Dvaita philosophy
R693	Jaina philosophy
R694	Budhistic philosophy
R841	Chinese philosophy
R8465	Hebrew philosophy

R*v* History of Philosophy

METZ (Rudolf). A hundred years of British philosophy, tr. by J. W. Harvey, ... ed. by J. H. Muirhead. Rv3:N3 G8

DE WULF (Maurice). History of mediaeval philosophy, tr. by Ernest C. Messenger V. 2. Rv5:J9 G5.2

Rw Biography

LOWRIE (Walter). Kierkegaard. RwM13 G8

Rx Classics and Collections

RxC42 Plato

WATTERS (Hallie). The Pythagorean way of life, with a discussion of the golden verses. RxC42:9 F6

GAUSS (H.). Plato's conception of philosophy. RxC57:9 G7

ROBIN (Leon). Platon. RxC57:9 122G5

PATCH (Howard Rollin). Tradition of Boethius: a story of his importance in mediaeval culture. RxD48:9 G5

GILSON (Etienne). Saint Thomas Aquinas. RxG25:9 G5

BESANT (Annie). Giordano Bruno: theosophy's apostle in the sixteenth century and the story of Giordano Bruno: a lecture delivered in the Sorbonne at Paris, on June, 15, 1911. RxJ48:9 E3

AARON (R. I.). John Locke. RxK31:9 G71

SCHOPENHAUER (Arthur). Studies in pessimism: a series of essays, sel. and tr. by T. Bailey Saunders. RxL88 G7

RxM13 Kierkegaard

KIERKEGAARD (S.). Purify your hearts! a discourse for a special occasion, the first of three "Edifying discourses in a different vein" published in 1847, tr..., by A. S. Aldworth and W. S. Ferrie. RxM13 G7

BAIN (John A.). Soren Kierkegaard: his life and religious teaching. RxM13:9 G5

HAECKER (Theodor). Soren Kierkegaard, tr. with a biographical note by Alexander Dru.
RxM13:9 G7

GEISMAR (Eduard). Lectures on the religious thought of Soren Kierkegaard, etc. RxM13:9 G71

ELLIS (Havelock). Dance of life. RxM591 G7

SANTAYANA (George). Philosophy of Santayana: selections from the works, ed. ..., by Irwin Edman.
RxM631 G61

BROAD (C. D.). Examination of McTaggart's philosophy. V. 2. Pts. 1—2. RxM67:9 G3.2—G3.3

RxM80 Keyserling

KEYSERLING (Hermann). The art of life, tr. by K. S. Shelvankar, etc. RxM80:4 G7

——— Immortality: a critique of the relations between the process of nature and the world of man's ideas, tr. by Jane Marshall. RxM80:5 G8

EDMAN (Irwin). Four ways of philosophy. Rx7 G8

R Treatises

RUSSELL (Bertrand). The problems of philosophy.
R G62

THOMAS (John). Philosophic foundations. R G7

SAMUEL (*Viscount*). Belief and action: an everyday philosophy. R G71

ZIA-UDDIN DARI. Falsafatul itimad. 2 Pts.
R 164G3.1—G3.2

R1 Logic

PATTERSON (Charles H.). Principles of correct thinking.
R1 G7

R2 Epistemology

MAUND (Constance). Hume's theory of knowledge: a critical examination. R2*x*L11:9 G7

CASSIRER (H. W.). Comm. on Kant's critique of judgement. R2*x*L24:9 G8

R3 Metaphysics

LOOMBA (Ram Murti). Bradley and Bergson: a comparative study, etc. R3*x*M59:9 G7

KELLY (Thomas R.). Explanation and reality in the philosophy of the Emile Meyerson. R3*x*M592:9 G7

SANTAYANA (George). Realms of being. Bk. 3. R3 F81.3

JAHN (Aegidius). Silver world: an essay on the ultimate problems of philosophy. R3 G7

MARITAIN (Jacques). Degrees of knowledge, tr. by Bernard Wall and Margot R. Adamson. R3 G71

MUKERJI (A. C.). Nature of self. R3 G8

R3:A to R3:G Philosophy of Science

HOBSON (E. W.). Domain of natural science. R3:A F65

EDDINGTON (Arthur). New pathways in science. R3:A G51

BENJAMIN (A. Cornelius). Introd. to the philosophy of science. R3:A G7

POINCARE (H.). La valeur de la science. R3:A 122G8

STRONG (Edward W.). Procedures and metaphysics: a study in the philosophy of mathematical physical science in the sixteenth and seventeenth centuries. R3:B*v*5:L7 G6

STEBBING (L. Susan). Philosophy and the physicists. R3:C G7

USHENKO (A. P.). Philosophy of relativity. R3:C81 G7

HEATH (Louise Robinson). The concept of time. R3:C86 G6

CLEUGH (M. F.). Time and its importance in modern thought etc. R3:C86 G7

HJORT (Johan). Human value of biology. R3:G G8

R3:Q Philosophy of Religion

WORLD CONGRESS OF FAITHS. *London.* 1936. Faiths and fellowship, being the proceedings, held in London, July 3rd—17th, 1936, ed. by A. Douglas Millard, etc. R3:Qp1:N33 G7

YOUNGHUSBAND (Francis). A venture of faith, being a description of the World Congress of Faiths, held in London, 1936. R3:Qp1:N33 G7-1

WORLD CONGRESS OF FAITHS. *Oxford.* 1937. World's need of religion, being the proceedings, etc. R3:Qp1:N33 G71

FERM (Vergilius). *Ed.* Religion in transition, etc. R3:Qy7 G7

BERDYAEV (Nicolas). Freedom and the spirit. R3:Q G53

WATKIN (Edward Ingram). Theism, agnosticism and atheism. R3:Q G62

WIEMAN (Henry Nelson), *etc.* American philosophies of religion. R3:Q G63

HICKS (G. Dawes). Philosophical bases of theism. R3:Q G71

MIR AMIRUDDIN (*Begum*). The world's need of religion: its value to the world: address delivered at the World Congress of Faiths held at Oxford, 25th July 1937. R3:Q G72

BEVAN (Edwyn). Symbolism and belief. R3:Q G8

SANTINATHA. Critical examination of the philosophy of religion. 2 V. R3:Q G81.1—G81.2

DEAR (P. J.). Are these things so? or the triumph of Darwinism: an inquiry into religion and its origin. R3:Q0Y G6

BAKER (Frank). Myth, nature, and individual: aspects of the philosophy of art and magic. R3:Q:1 G1

R3:Q:34 Soul

BRANFORD (Benchara). Eros and psyche: an essay on the constitution and destiny of man. R3:Q:34 G4

HOCKING (William Ernest). Thoughts on death and life. R3:Q:34 G7

EDITORS OF THE SHRINE OF WISDOM. *Pseud.* Human soul in the myths of Plato. R3:Q:34 G71

R3:Q2 Philosophy of Hinduism

BRAHMA (Nalini Kanta). Philosophy of Hindu sadhana, etc. R3:Q2 G2

R3:Q6 Philosophy of Christianity

D'ARCY (M. C.). Mirage and truth. R3:Q6 G52

BRUNNER (Emil). Philosophy of religion from the standpoint of Protestant theology, tr. by A. J. D. Farrer and Bertram Lee Woolf. R3:Q6 G7

AULEN (Gustaf), *etc.* Revelation, ed. by John Baillie and Hugh Martin. R3:Q6 G71

HEIM (Karl). God transcendent: foundation for a Christian metaphysic, tr. by Edgar Primrose Dickie, etc. R3:Q6:31 G52

DAVIDSON (M.). Free will or determinism, etc. R3:S:65 G7

SKINNER (Clarence R.). Liberalism faces the future. R3:S:74 G7

LEIGHTON (Joseph A.). Social philosophies in conflict: fascism and nazism, communism, liberal democracy. R3:W G7

HOCKING (William Ernest). Lasting elements of individualism. R3:W G71

NIEBUHR (Reinhold). Reflections on the end of an era. R3:Y G4

HICKS (G. Dawes). Critical realism: studies in the philosophy of mind and nature. R325 G8

GARNETT (A. Campbell). Reality and value: an introd. to metaphysics and an essay on the theory of value. R37 G7

R39Y Humanism

MORE (Paul Elmer). On being human. R39Y G6

MARITAIN (Jacques). Humanisme integral: problemes temporels et spirituels d'une nouvelle chretiente. R39Y 122G6

R4 Ethics

BERDYAEV (Nicolas). Destiny of man, tr. by ..., Natalie Duddington. R4 G7

TUKER (M. A. R.). Past and future of ethics. R4 G8

ASADI TUSI. Andarz-nama, ed. by Rashid Yasimi. R4 164F8

NARAYANA (P. V. S.). A critique of Nicolai Hartmann's ethics. R4:7 G71—G73

HENSON (Herbert Hensley). Christian morality: natural, developing, final. R4:Q6 G6

BRUNNER (Emil). Divine imperative: a study in christian ethics, tr. by Olive Wyon. R4:Q6 G7

KAI-KA-US IBN ISKANDAR. Kabus-namah, with introd. by Said Nafisi. R4:Q7xE57 164G4

SCHWEITZER (Albert). The philosophy of civilization, tr. by C. T. Campion. Pt. 1. R4:Y F9.1

FOSDICK (Harry Emerson). Twelve tests of character. R41 F3

R43 Social Ethics

ARUNDALE (G. S.). Brotherhood: a series of addresses. R43z7 E2

SHAIK MUHAMMAD ALI. Akhlaq-i-Ijtimal R43 164G2

JOAD (C. E. M.). Guide to the philosophy of morals and politics. R43W G8

R5 Aesthetics

KNOX (Israel). The aesthetic theories of Kant, Hegel, and Schopenhauer. R5xL24:9 G6

SZATHMARY (Arthur). Aesthetic theory of Bergson. R5xM59:9 G7

COOMARASWAMY (Ananda K.). The transformation of nature in art. R5 G5

PURSER (J. W. R). Art and truth. R5 G71

BARTLETT (E. M.). Types of aesthetic judgment. R5 G72

TOROSSIAN (Aram). Guide to aesthetics. R5 G73

R6 Indian Philosophy

SUDDHA DHARMA MANDALAM. Suddha dharma. V. 3— 1936|37— R6m2:N34

HEIMANN (Betty). Indian and Western philosophy: a study in contrasts. R6 G7

JACOBI (Hermann). Die Entwicklung der Gottesidee bei den Indern und deren Beweise fur das dasein Gottes. R6:Q:31 113F3

R631 Sankhya Philosophy

JOHNSTON (E. H.). Early samkhya: an essay on its historical development according to the texts. R631 G7

R635 Yoga Philosophy

BESANT (Annie). An introd. to yoga. R635 F01

GHOSH (Jajneswar). A study of yoga. R635 G31

PATANJALI. Aphorisms of yoga, tr. with a comm. by Purohit Swami, etc. R635x1 G8

R641 Nyaya Philosophy

PARTHASARATHI MISRA. Nyayaratnamala, with the comm. of Ramanujacharya, entitled the Nayakaratna, ed. by K. S. Ramaswami Sastri. R641x61 15G7

MADHAVACHARYA. Jaiminiya nyayamala, with his own comm. the Nyayamala vistara, ed. with the explanation of examples and notes by A. Ramanatha Sastry and Pattabhirama Sastry. Pt. 1. Chap. 1–3. R641x81 15G7.1

APADEVA. Mimamsanyayaprakasa, with a comm. Mimamsa Sudhasvada by Viraraghavacharya. R641xK30 15G6

R65 Vedanta Philosophy

R65:0 Upanishadhic Philosophy

PUROHIT SWAMI, *etc. Trs.* The ten principal upanishads. R65:0 G71

SEN (Sris chandra). Mystic philosophy of the Upanishads. R65:0:9 G7

R65:6 The Gita

AUROBINDO. Message of the Gita, ed. by Anilbaran Roy. R65:6 G8

BHAGAVAD GITA. Suddha Dharma Mandalam edn. R65:6 15G7

NAGESWARA RAO (K.). *Tr.* Bhagavadgita. R65:6 35G8

VASUDEVA ROW (R.), *etc.* The heart-doctrine of Sri Bhagavadgita and its message, in terms of adhividya. R65:6:9 G8

KUPPUSWAMI IYER (V.), *etc. Trs.* Bhagavadgita, tr. with the comm. Bhagavadgeethartha deepika. 2 V. R65:6:9 31B4.1—B4.2

LAKSHMANACHARIAR (T.). *Tr.* Bhagavadgitai. R65:6:9 31E4

UTTARA gita. R65:61 32D6

R66 Advaita Philosophy

R66*x* Classics

SANKARA. Upadesasahasri, with the comm. Padayojanika by Rama Tirtha, ed. by Wasudev Laxmana Sastri Panshikar. Pts. 1 & 2 in 1 V. R66*x*1 15F8

MADHAUSUDANA SARASVATI. Advaita siddhi, with the Gurucandrika, ed. by S. Narayanaswami Sastri. V. 2. R66*x*92 15G3.2

BANGIYA BRAHMANA SABHA. *Calcutta.* Shankaracharya the great and his connection with Kanchipuri, etc. R66xD68w 15G6

DNYANESHWAR. Amritanubhava or elixir of life, tr. by Anant Vishnu Khasnis. R66xG50:1 G5

MAHADEVAN (T. M. P.). Philosophy of advaita, with sp. ref. to Bharati-tirtha Vidyaranya, etc. R66xH50:9 G8—G81

SADANANDA YATI. Advaita-brahma-siddhi with the critical notes of Vaman Shastri and Gurucharan, rev. by Gurucharan and Panchanan. R66xJ80 15G2

RAMANA MAHARISHI. Upadesa saram, tr. by B. V. Narasimhaswami. R66xM79 G7

SESHAGIRI (K. S.). Who art thou and other verses, bliss supreme and other verses, and bliss eternal. R66z61 G7

Treatises

RAJU (P. T.). Thought and reality: Hegelianism and advaita. R66 G7

DAS (Saroj Kumar). Study of the vedanta. R66 G71

KRISHNA SASTRI (K.). Adhikaranachatushtayi. R66 15G7

R66:0 to R66:4 Advaitic Commentaries on the Upanishads

SANKARA. *Comm.* Upanishads, tr. by S. Sitarama Sastri. 5 V. R66:0x1 F3.1—F3.5

SUNDARAM (A. R. S.). *Tr.* Amrtabindu upanishad. R66:417x8 31G3

R66:5 Advaitic Commentaries on the Brahmasutra

SANKARA. Sutrabhasya: Andhrasutrabhasyamu, tr. by P. Mallayya Sastri. 4 V. R66:5x1 35E8.1—E8.4

R66:6 Advaitic Commentaries on the Gita

FADDEGON (Barend). Camkara's Gitabhasya toegelicht en beoordeeld, etc. R66:6x1:9 112D6

DNYANESHWAR. Gita explained, rendered into Marathi by Govind Ramachandra Moghe, tr. by Manu Subedar. R66:6xG50 G2

MARULKAR (Sankara Sastri). *Ed.* Bhagavadgita with a comm. by Vasudeva Sastri Abhyankar. Adhyayas 1 and 2. R66:6:9 15G8.1

R663 Pratyabhijna (Kashmiri Saivaite) Philosophy

PANDE (Kanti Chandra). Abhinava Gupta: an historical and philosophical study. R663wD95 G5

KSEMARAJA. Pratyabhijnahrdyam: secret of recognition: a reviving doctrine of salvation of medieval India. ... tr. by Kurt F. Leidecker, etc. R663x25 G8

R67 Visishtadvaita

R672 Vaishnava Visishtadvaita

NARASIMHACHARI SWAMI. *Ded.* Elupadavadu tirunakshatram jnapaka chinnam. R672jM68 31G7

MAHACHARYA. Sadvidya vijaya: part 3 in vedanta vijaya, ed. by Sampat Kumara Ramanuja Muni. R672xK90:4 15G7

RAMANUJACHARI (V. K.). *Tr.* The three tatvas, being the criticism by Sri Ramanuja of the theories of oneness. R672 G2

R672:0 Visishtadvaitic Commentaries on the Upanishads

KRISHNAMACHARYA. (V. N.). *Ed.* Dasopanishad bhashya. 2 V. R672:0x1 15E3.1—E3.2

R672:5 Visishtadvaitic Commentaries on the Brahmasutra

RAMANUJA. Sri Bhasya or Brahmasutrabhasya, ed. with ten comm. by V. Ananthacharya and V. Krishnamacharya. V. 1. R672:5x2 15G7.1

RANGARAMANUJA MUNI. Sariraka sastrartha dipika: a comm. on the Sariraka brahma sutra, ed. by V. N. Krishnamachary. R672:5x3 15E5

APPAYYA DIKSHITA. Nayamayuka malika: a comm. on the Sariraka brahma sutra, ed. by V. N. Krishnamacharya. R672:5xJ50 15E5

R673 Saiva Siddhanta

PARANJOTI (Violet). Saiva siddhanta in the Meykanda sastra. R673 G8

R673:5 Saiva Siddhanta Commentaries on the Brahmasutra

APPAYYA DIKSHITA. Sivarkamani dipika: a comm. on the Brahma Sutra Bhashya of Srikantacharya, ed. with sutrartha-chandrika by R. Halasyanatha Sastri. V. 2. R673:5x11 15D8.2

R68 Dvaita Philosophy

JAYA TIRTHA. Vadavali, with three tippanis. R68x3 15G7

CHALARISESACARYA. Pramanacandrika. Madhva logic, being an English, tr. of the Pramanacandrika with an introd. outline of Madhva philosophy and the text in Sanskrit by Susil Kumar Maitra. R68xI20 G6

NAGARAJA SARMA (R.). Reign of realism in Indian philosophy. R68 G72

WAMAN. Shrutikalpalata: a comm. on the vedastuti. R68:7xK20 15G6

R693 Jaina Philosophy

UMASVATI. Sabhasya tattvarthadhigama sutra, ed. with a Hindi comm. by Khubchandra. R693x1 152G2

KUNDAKUNDACHARYA. Samayasara, with the comm. of Amrtacandra and Jayasena and a Hindi comm. by Jayachandraji, ed. by Manoharalal. R693x2:2 152E9

——— Pancastikaya, with the comm. tattvadipika of Amrtacandra, tatparya vritti of Jayasena, balavabodha of Hemaraja, and with a Hindi comm. by Pannalal, ed. by Manoharlal. R693x2:41 152E5

MALLISENA SURI. Syadvada manjari: a comm. on Hemacandra's 'Anyayogaovyavachcheda dvatrimsika', ed. with a Hindi comm. by Jagadischandra Sastri. R693x7 152G4

SUBHACANDRA. Jnanarnava, ed. with Hindi, tr. by Pannalal. R693xD80 152F7

AMRTACANDRA. Purusartha-siddhyupaya, ed. with comm. and Hindi tr. by Nathuram Premi. R693xD90:2 152G3

NEMICANDRA. (*i.e.* Devendragani). Brahad-dravyasamgraha, with Brahmadeva's Sanskrit comm. and Hindi comm. by Jawaharlal ed. by Manoharlal. R693xD98:1 152E91

——— Dravyasamgraha: Jaina siddhanta sangraha. R693xD98:1 33F8

——— Gommatasara: Jivakanda, tr. with a comm. Balabodhini, by Khubchandra. R693xD98:3 152F7.1

——— ——— Karmakanda, ed. with a Hindi comm. by Manoharalal. R693xD98:3 152F7.2

——— Labdhisara with ksapanasara, ed. with comm. by Manoharalal. R693xD98:4 152E6

VIMALADASA. Saptabhangi tarangini, ed. with a comm. of Thakuraprasad, by Manoharalal. R693 152E61

R694 Buddhistic Philosophy

DE SILVA (C. L. A.). A treatise on Buddhist philosophy or abhidhamma. V. 1. Consciousness, mental properties and particular concomitants in consciousness. R6941 G7.1

SANTARAKSITA, Tattvasangraha, with the comm. of Kamalasila, tr. ..., by Ganganatha Jha. V. 1. R6946*x*4:11 G7.1

SINHA (Jadunath). Indian realism. R6946 G8

LU-TRUB. (*i.e.* Nagarjuna). She-Rab dong-bu or pragnaya danda, ed. and tr. by W. L. Campbell. R6947*x*1:82 E9

STCHERBATSKY (Th.). Buddhist logic. V. 1. R6947*x*6:11 G0.1

DHARMA KIRTI. Vadanyaya, with the comm. of Santaraksita, ed. by Raghula Sankrtyayana. R6947*x*6:3 15G61

R841 Chinese Philosophy

FUNG (Yu-Lan). History of Chinese philosophy: the period of philosophers from the beginnings to circa 100 B.C., tr. by Derk Bodde. R841*v*41:C1 G7

R8465 Hebrew Philosophy

MAIMONIDES. The guide of the perplexed, tr. ..., by M. Friedlander. V. 1. R8465*x*F35 B1.1

S Psychology

The following are the chief divisions under which the books in Psychology are grouped:—

S*v*	History
S*y*8	Practical
S	**Treatises**
S:76	Intuition
S15	Child-psychology
S4	Vocational psychology
SM95	**Psychoanalysis**
SN12	**Gestalt psychology**
SN14	**Individual psychology**

S*v* History of Psychology

SPEARMAN (C.). Psychology down the ages. 2 V.
S*v*1:N3 G7.1—G7.2

S*y*8 Practical Psychology

BORING (Edwin Garrigues), *etc.* Manual of psychological experiments. S*y*8 G7

S Treatises

McDOUGALL (William). Psychology: the study of behaviour. S G7

ALLERS (Rudolf). New psychologies. S G8

THOULESS (Robert H.). General and social psychology: a text-book for students of economics and of social sciences. S G71

VERNON (M. D.). Visual perception. S:4 G7

PHILLIPS (Margaret). Education of the emotions through sentiment development. S:50T G7

WOOD (Ernest). Concentration: a practical course. S:66 F5

——— Character-building: a practical course. S:74 F4

S:76 Intuition

JINARAJADASA (C.). The place of intuition in the new civilization. S:76 F7

WILD (K. W.). Intuition. S:76 G8

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THOULESS (Robert H.). Control of the mind. S:9 G61

VARNUM (Walter C.). Psychology in every day life. S:9 G8

S15 Child-Psychology

COOMBER (Helen). Movement: clue to brain action: one way to study a child. S150T G7

GUTTERIDGE (M. V.). The duration of attention in young children. S15:310T G5

EARLE (F. M.). Psychology and the choice of a career. S4 G3

S4 Vocational Psychology

BINGHAM (Walter Van Dyke). Aptitudes and aptitude testing. S4 G7

BALZAC (Honore de). Physiology of marriage, etc. S5:5 G2

ISRAELI (Nathan). Abnormal personality and time. S6:38:4 G6

WALLAS (Graham). Social judgment. S8:44 G4

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FREUD (Sigmund). A general selection ..., ed. by John Rickman. SM95xM56 G7

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DALBIEZ (Roland). La methode psychanalytique et la doctrine Freudienne. 2 T. SM95 122G6.1—G6.2

KLEIN (Melanie), *etc.* Love, hate and reparation. SM95:5 G7

SN12 Gestalt Psychology

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SN14 Individual Psychology

ADLER (Alfred). Social interest: a challenge to mankind tr. by John Linton and Richard Vaughan. SN14xM70:5 G8

T Education

The following are the chief divisions under which the books in Education are grouped:—

Preliminaries

T*a*	Bibliography
T*b*	Profession
T*v*	History
T*w*	Biographies
T*y*8	Experiments
T*z*7	Essays and lectures

T	**Treatises**
T0M	Vocational education
T0Y1	Education and society
T:2	Schools of education
T:3	**Teaching methods**
T:4	Educational organisation
T:44	Curriculum
T:471	Intelligence tests
T:5	School hygiene
T:81	**Bilingualism**
T:85	Visual instruction
T1:2L82	**Kindergarten**
T13	Preschool education
T15	Elementary education
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T15:2N12	**Montessori**
T15:3	Teaching methods in elementary schools
T2	**Secondary education**

T2:3	Teaching methods in secondary schools
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T2:3B	Teaching of mathematics in secondary schools
T2:44	Curriculum of secondary schools
T2:47	Educational measurements in secondary schools
T3	**Adult education**
T4	**University education**
T6	Education of the abnormals
T7	Education of the socially handicapped
T9Y131	Rural education

Ta Bibliography

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SANDIFORD (Peter), *etc.* Forecasting teaching ability.
Tb2y8 G7

RICH (R. W.). The training of teachers in England and Wales during the nineteenth century.
Tb3v3:N0 G3

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SMITH (Albert H.), *etc. Comps.* Bibliography of Canadian education. Tu72a G8

Tv History

MONROE (Paul). A brief course in the history of education. Tv1:N0 G6

McCALLISTER (W. J.). The growth of freedom in education: a critical interpretation of some historical views. Tv1:N2 G1

GRAVES (Frank Pierrepont). Student's history of education: our education today in the light of its development. Tv1:N3 G61

WARD (Herbert). Notes for the study of English education from 1860—1902.
Contains als

WARD (Herbert): Notes for the study of English education from 1900—1930. Tv3:N3 G7

HSIAO (Theodore E.). The history of modern education in China. Tv41:N2 G2

NARAYANA RAO (C.). Germanidesa vidya vidhanamu. Tv55:N2 35G0

McKERRON (M. E.). A history of education in South Africa, 1652—1932. Tv63:N3 G4

GALT (Russell). The effects of centralization on education in modern Egypt. Tv671:N3 G6

HANUS (Paul H.). Adventuring in education. Tv73:N3 G7

COOK (Katherine M.). Public education in Alaska. Tv76:N3 G7

MACKENZIE (T. Findlay). Nationalism and education in Australia, with sp. ref. to the state of New South Wales. Tv82:N3 G5

Tw Biographies

GOVINDAN THAMPI (K.). Nisima. TwM43 32G4

MANSBRIDGE (Albert). Margaret McMillan. TwM60 G2

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Ty8 Experiments

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MATTHEWS (A. A.). Education for life: a country school experiment. Ty8 G71

Tz7 Essays and Lectures

NATIONAL education: a symposium, messages and opinions of some leading Indians. Tz7 E8

STUDEBAKER (J. W.). Critical issues in education, etc. Tz7 G7

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T0M Vocational Education

KELLER (Franklin J.), *etc.* Vocational guidance throughout the world: a comparative survey. T0M*u*1:N3 G7

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REYNOLDS (E. E.). Freedom to mature: a view of education. T0Y1 G8

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T:2 Schools of Education

RUSK (Robert R.). The doctrines of the great educators. T:2 G7

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T:3 Teaching Methods

POTTER (Stephen). Muse in chains: a study in education. T:30 G7

NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS. *United States.* A general survey of progress in the last twenty-five years. T:3B*v*73:N2 F6

NICHOLAS (Florence Williams), *etc.* Art activities in the modern school. T:3N G7

BEALES (A. G. F.). Guide to the teaching of history in schools. T:3V*a* G7

T:4 Educational Organisation

TIDYMAN (Willard F.). Directing learning through class management. T:4 G7

T:44 Curriculum

WYNNE (John P.). The teacher and the curriculum. T:44 G7

ROGERS (James Frederick). Student interests and needs in hygiene. T:44:L:57 G7

ASSOCIATION FOR MORAL AND SOCIAL HYGIENE IN INDIA. A plea for the provision of instruction in the duties of civic and family life, including sex hygiene, in schools and colleges in India, etc. T:44:L54*u*2:N3 G8

SILLITOE (Helen). A history of the teaching of domestic subjects, etc. T:44:M3*v*3:N3 G3

HOPKINS (L. Thomas), *etc.* Integration: its meaning and application. T:44:S:7 G7

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BRISTOW (William H.), *etc.* Conservation in the education program. T:44:X G7

BATHURST (Effie G.). State library agencies as sources of pictorial material for social studies. T:4452*u*73:N3 G7

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PULLIAS (Earl V.). Variability in results from new-type achievement tests, etc. T:471 G71

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T:5 School Hygiene

ROGERS (James Frederick). Safety and health of the school child. T:5*y*5 G7

GRIFFIN (F. W. W.). The scientific basis of physical education, etc. T:50L G7

CONWAY (Clifford B.). The hearing abilities of children in Toronto public schools. T:54*y*8 G7

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T13 Pre-school Education

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GREEN (J. A.). Life and work of Pestalozzi. T15:2L50 E3

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GERHARDS (Karl). Zur Beurteilung der Montessori-Padagogik: Eine Auseinandersetzung mit ihren heutigen Kritikern, Stern, Hessen, Spranger, Muchow. T15:2N12 113F8

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JESSEN (Carl A.). Needed research in secondary education. T2*b*473:N3 G8

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CHRISTOFFERSON (Halbert Carl). Geometry professionalized for teachers. T2:3B6 G3

FAWCETT (Harold P.). Nature of proof: a description and evaluation of certain procedures used in a senior high school to develop an understanding of the nature of proof. T2:3B6 G8

COLE (Robert D.). Modern foreign languages and their teaching, rev. and enlarged by James Burton Tharp. T2:3P5 G7

EVANS (Frederic). *Ed.* The teaching of geography in relation to the world community. T2:3U G3

T2:44 Curriculum of Secondary Schools

JESSEN (Carl A.), *etc.* Subject registrations in private high schools and academies, 1932|33.
T2:44*u*73:N3 G7

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FREDERICK (Robert Wendell), *etc.* Citizenship education through the social studies: a philosophy and a program. T2:44:Y G6

T2:47 Educational Measurements in Secondary Schools

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T3 Adult Education

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T4 University Education

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ROGERS (James Frederick). Student health services in institutions of higher education. T4:5*u*73:N3 G7

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T6 Education of the Abnormals

MARTENS (Elise H.), *etc.* An annotated bibliography on the education and psychology of exceptional children. T6*a*N3 G3

——— Opportunities for the preparation of teachers of exceptional children. T6*b*373:N3 G8

HILL (Thomas B.). Classification and education of mentally handicapped children in various countries ed. by D. J. A. Verco. T6 G7

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T9Y131 Rural Education

HERLIHY (Lester B.), *etc.* Personnel and financial statistics of school organizations serving rural children. T9Y131*s*73:N3 G8

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U Geography

The following are the chief divisions under which the books in Geography are grouped:—

U:1	Geography of the world
U:21	Geography of Madras
U:7	Geography of America
U1	Mathematical geography
U2	**Physical geography**
U28	Meteorology
U296	Ionosphere
U3	Biogeography
U45	Population
U47	Human geography
U5	Political geography
U6	Commercial geography
U8	**Travels**
U8:1	World travels
U8:2	Travels in India
U8:21	Travels in Madras
U8:5	Travels in Europe
U8:6	Travels in Africa

SPRAY (V. C.). The modern geography room. Uc G0

MERRIMAN (A. D.). Experimental geography, etc. Books 1—3. Uy8 F8.1—F8.3

VIDAL-LABLACHE (P.). Atlas de geographie: physique, politique, economique, geographique, ethnographique. U:1f 122G7

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U:2 Geography of India

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INDIA. SURVEY (Department of—). Reproduction of maps, plans, photographs, diagrams and line illustrations by the Survey of India, for other departments. U115 E4

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GOODALL (George). The globe and its uses. U14 G7

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STAACK (K. G.). Spirit levelling in Massachusetts. 1922—35. U181:7385 G7

U2 Physical Geography

COLLART (R.). Summary of a course on physical geography. U2 G5

WOOLDRIDGE (S. W.), *etc.* The physical basis of geography: an outline of geomorphology. U2 G7

FOX (Cyril S.). Physical geography for Indian students being a completely rev. and enlarged ed. of Simmons and Stenhouse's "class-book of physical geography." U2 G8

U28 Meteorology

KENDREW (W. G.). Climate: a treatise on the principles of weather and climate. U28 G8

KOPPEN (W.). Grundriss der Klimakunde. U28 113G1

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HOYT (John C.). Droughts of 1930-34. U2855:73:N3 G6

U296 Ionosphere

BERKNER (L. V.). The electrical state of the earth's outer atmosphere. U296 G7

U3 Biogeography

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U45 Population

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U47 Human Geography

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U5 Political Geography

VALLAUX (Camille). Geographie sociale: le sol et l'etat. U5 122E1

PHILIP (George). *Ed.* Handy administrative atlas of England and Wales: a series of detailed county maps, showing local government and parliamentary divisions, etc. U5:3*f* G7

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U6 Commercial Geography

SMITH (Wilfred). Geographical study of coal and iron in China, etc. U6:41 F6

VAN CLEEF (Eugene). Trade centres and trade routes. U641:1 G7

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U8:1 World Travels

MUNDY (Peter). Travels in Europe and Asia, 1608–1667, ed. by Richard Carnac Temple. V. 5. U8:1:K6 D7.6

JAGANNATHA SWAMI (P.). Desayatrila kathalu. U8:1:N2 35G8

BELFRAGE (Cedric). Away from it all: an escapologist's notebook. U8:1:N3 G61

U8:2 Travels in India

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EDIB (Halide). Inside India. U8:2:N3 G71

U8:21 Travels in Madras

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V5925 Czechoslovakian History

SLOVAK COUNCIL. *Geneva.* Shall millions die for "This Czechoslovakia ..."? V5925:12:N3 G8

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W Political Science

The following are the chief divisions under which the books in Political Science are grouped:—

W*v*	History of political thought
W*x*	Classics and collections
W	**Treatises**
W:23	Legislature
W:3	Functions of government
W:5	Political rights and duties
W:7	Relation among constituent states
W:91	Foreign relations
W6	**Democracy**
W64	**Dictatorship**
W7	**Utopia**

W*v* History of Political Thought

DOYLE (Phyllis). A history of political thought. W*v*2:C7 G7—G72

RAMASWAMI AIYAR (C. P.). Indian political theories. W*v*2:C7 G7, G71, G72

ALLEN (J. W.). English political thought, 1603—1660. V. 1. 1603—1644. W*v*3:J6 G8.1

GOOCH (G. P.). Political thought in England from Bacon to Halifax. W*v*3:L1 G8

LASKI (Harold J.). Political thought in England from Locke to Bentham. W*v*3:M6 G7

DAVIDSON (William L.). Political thought in England: the utilitarians from Bentham to J. S. Mill. W*v*3:M7 G5

PARKER (Ernest). Political thought in England, 1848—1914. Wv3:N1 G2

SABINE (George H.). History of political theory. Wv5:N3 G7

Wx Classics and Collections

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JOHNSON (Alvin W.). Unicameral legislature. W:23 G8

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BENN (Ernest J. P.). Modern government "as a busybody in other men's matters". W:3 G6

DIMOCK (Marshall E.). Modern politics and administration: a study of the creative state. W:3 G7

W:5 Political Rights and Duties

PAINE (Thomas). Rights of man: being an answer to Mr. Burke's attack on the French revolution, ed. by Hypatia Bradlaugh Bonner, etc.
W:5*x*L37 G7

LASKI (Harold J.). Liberty in the modern state.
W:5 G7

W:7 Relation among Constituent States

ASIRVATHAM (E.). Forces in modern politics: nationalism, imperialism and internationalism.
W:7 G6

VENKATARANGAIYA (M.). Federalism in government.
W:72 G5

W:91 Foreign Relations

RUSSELL (Bertrand), *etc.* Dare we look ahead?
W:91*z*7 G8

MADARIAGA (Salvador de). Theory and practice in international relations. W:91 G7

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W:915 E9

W6 Democracy

SIMON (Ernest), *etc.* Constructive democracy.
W6*z*7 G8

LASKI (Harold J.). Democracy in crisis. W6 G42

SWABEY (Marie Collins). Theory of the democratic state. W6 G7

MADARIAGA (Salvador de). Anarchy or heirarchy. W6 G71

W64 Dictatorship

PALMIERI (Marie). Philosophy of fascism. W64 G62

W7 Utopia

CROSSMAN (R. H. S.). Plato today. W7xC57:9 G7

X Economics

The following are the chief divisions under which the books in Economics are grouped:—

Xj to Xz	Preliminaries
Xz7	Lectures and essays
X	**Treatises**
X0V2	Indian economics
X:16	Standard of living
X:2	Production
X:3	**Distribution**
X:31	National income
X:32	Functional distribution
X:326	Capitalism
X:329	Wage-system
X:3M24	Socialism
X:3N20	Consumers' credit
X:4	Transport of commodities
X:5	**Commerce**
X:5:103	Commerce in the British Empire
X:5:1	World commerce
X:5:3	British commerce
X:5:73	United States commerce
X:51	Marketing
X:51b4	Marketing research
X:53	**Tariff**
X:54	Export and import
X:57	**Exchange**
X:7	**Value**

X:74	Business cycle
X:75	Economic plannnig
X:8	**Economic organisation**
X:81	Ownership
X:9	**Labour problems**
X:92	Labour market
X:94	Industrial hygiene
X:95	Service conditions
X:96	Trade unions
X4	**Transport economics**
X415	Railway economics
X6	**Money and banking**
X61	Currency
X6131	Gold currency
X62	Banking
X7	**Public finance**
X71	Budget
X72	Taxation
X75	Public debt
X796	Municipal and local finance
X895	Marine insurance
X9	**Industrial economics**
X9D	Engineering industries
X9D66	Electrical industries
X9J	Agricultural economics
X9J:51	Agricultural marketing
X9J:6	Agricultural finance
X9J:8	Agricultural organisation
X9J37	Economics of fruit-business
X9J771	Economics of cotton
X9M7	**Textile industry**

X9MK31	Dairy industry
X9MK33	Meat industry
X9KM332	Fishing industry
X9MK35	Poultry industry
XM25	**Co-operation**
XM25::2	Co-operation in India
XM25::3	Co-operation in Great Britain
XM25::571	Co-operation in Sweden
XM259J	Agricultural co-operation
XN12	**Public utilities**

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Xv1:N3 G8

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Xv3:L5 G8

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XwM58 G8

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STEINER (Rudolf). World-economy: the formation of a science of world economics, etc. XxM61 G7

WOOTTON (Barbara). Lament for economics. Xy1 G8

Xz7 Lectures and Essays

DOBB (Maurice). Political economy and capitalism: essays in economic tradition. Xz7 G71

HOUSSER (Fred B.). Views and reviews of finance and economics, ed. by E. Burnham Wyllie. Xz7 G72

PLANT (Arnold). *Ed.* Some modern business problems: a series of studies, etc. Xz7 G73

LOVEDAY (A.), *etc.* World's economic future. Xz7 G8

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KINSMAN (Delos O.). Our economic world: a study of the world's natural resources and industries. X G76

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BHATNAGAR (Nand Lal). Elements of economics. X G710

McISAAC (Archibald Macdonald), *etc.* Introd. to economic analysis. X G711

GEARY (Herbert V.). Your money and your life: an economic introd. to every day affairs. X G8

X0V2 Indian Economics

GOVINDACHARY (Atmakuri). Bharatadesamu arthikacharitra: Indian economics. 2 V. X0V2 35G5.1—G5.2

X:16 Standard of Living

LEAGUE OF NATIONS. ECONOMIC COMMITTEE. Preliminary investigation into measures of a national or international character for raising the standard of living: memorandum ... by N. F. Hall. X:16 G8

X:2 Production

SHEWHART (W. A.). Economic control of quality of manufactured product. X:280B28 G1

PEARSON (E. S.). The application of statistical methods to industrial standardisation and quality control. X:280B28 G5

X:3 Distribution

X:31 National Income

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X:31:73:N3 G71

X:32 Functional Distribution

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X:321:3:N3 G5

X:326 Capitalism

ALLEN (Frederick). Can capitalism last? X:326 G8

PIROU (Gaetan). La crise du capitalisme.
X:326:53:N3 122G6

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X:329 Wage-system

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MEADE (J. E.). Consumers' credits and unemployment.
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X:4 Transport of Commodities

TENNESSEE VALLEY AUTHORITY. TRANSPORTATION ECONOMICS DIVISION. Interterritorial freight rate problem of the United States, etc. X:446:73:N3 G7

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X:51*b*4 Marketing Research

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X:7 Value

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X:74 Business Cycle

SKINNER (Richard Dana). Seven kinds of inflation and what to do about them. X:74 G7

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BAXTER (William J.). America faces its greatest business depression, etc. X:74:73:N3 G7

X:75 Economic Planning

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X:75:73:N3 G7

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X:8 Economic Organisation

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X:81 Ownership

LAWLEY (F. E.). Growth of collective economy. 2 V.
X:81 G8.1—G8.2

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X:9 Labour Problems

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X:96 Trade Unions

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X4 Transport Economics

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SOMMERFIELD (Vernon). Speed, space and time. X4::1:N3 G5

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X415 Railway Economics

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X61 Currency

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X7 Public Finance

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X895 Marine Insurance

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Y Social Sciences

The following are the chief divisions under which the books in Social Sciences are grouped:—

Y	Social sciences (general)
Y1	**Sociology**
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Y1:1:5	Cultural contact
Y1:1:6	Cultural evolution
Y1:4	**Social pathology**
Y1:433	Unemployment
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Y111	Child sociology
Y112	Adolescent sociology
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Y173P1	Aryan race
Y173P25	The Jews
Y174	The Chinese
Y1742	The Japanese
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Y Social Sciences (General)

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Y1 Sociology

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Y1:1 Civilisation

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Y1:1:5 Cultural Contact

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Y1:5 Population Problem

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Y112:45:6:1:N3 G7

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Y131 Rural Sociology

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Y14 Occupational Sociology

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Y171 Prehistoric Races

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Y172 Primitive Races

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Y172:3 Primitive Social Activities

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Y173P1 Aryan Race

HOWELL (Fleming). Our Aryan ancestors: the world's historical people. Y173P1:1:6 G5

Y173P25 The Jews

FISCHEL (Walter J.). Jews in the economic and political life of mediaeval Islam. Y173P25:1:1:46:H3 G7

ZUKERMAN (William). The Jew in revolt: the modern jew in the world crisis. Y173P25:1:1:5:N3 G7

Y1741 The Chinese

HART (Henry H.). *Tr.* Seven hundred Chinese proverbs, etc. Y1741:35 G7

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Y1742 The Japanese

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Y17441:35:1:241:N1 F31

Z Law

The following are the chief divisions under which the books in Law are grouped:—

Z1	International law
Z1:A173	Neutrality
Z2	Indian law
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Z3	British law
Z7	Inter-American law
Z73:8	Administration of Law of the United States
ZQ2	Hindu law
ZQ7	Muhammadan law

Z1 International Law

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Z2 Indian Law

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Z298 Ceylonese Law

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Recommended for purchase in all schools and colleges by the Director of Public Instruction, Madras, in his Proceedings No. 613-G. 34, dated 6th April, 1934.

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The book is a masterly analysis of the librarian's craft.—*The Hindu.*

The well-known author presents the subject with a thorough mastery of detail and a judicious combination of the fruits of his extensive studies and valuable experience in the field which he has made his own.—*Mysore Economic Journal.*

If the methods described in this book are scrupulously followed out libraries will save lot of labour and money which has been and is being wasted on account of most unsystematic and unscientific work.—*The Mahratta.*

Recommended for purchase in all schools and colleges by the Director of Public Instruction, Madras, in his Proceedings Dis. 4836|35, dated 8th November, 1935.

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S. R. RANGANATHAN, M.A., L.T., F.L.A.

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In many respects it is original. The author combines the culture of India with the scolarship of England ... There is much of value to the student in Ranganathan's penetrating and intelligent discussion ... In some post graduate course a degree might well be earned by a reconstructive study of these canons.—*The Library Quarterly.*

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The first part of this book expounds the general theory of classification ... Then follows an analysis of the principles of knowledge classification, exhibiting its special canons. Next comes the theory of classification as applied to books and finally a critical comparison of the colon and other systems of library classification ... The book is a valuable contribution to a study which lies at the root of all scientific arrangement and the principles elucidated therein could be developed and applied to every phase of thought.—*The Hindu.*

Recommended for purchase in all Colleges and public libraries by the Director of Public Instruction, Madras,in his Proceedings R.C. No. 2755-G, 37 dated 20th January, 1938.

MADRAS LIBRARY ASSOCIATION

Publication Series, 7.

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BY

S. R. RANGANATHAN, M.A., L.T., F.L.A.

SOME OPINIONS

Rao Saheb Ranganathan is one of the foremost Librarians in the country today; he is one of the two individuals who have placed India on the Library map of the world. His contributions to librarianship are always eagerly awaited and carefully studied ... Rao Saheb Ranganathan deserves our thanks for this excellent restatement of cataloguing principles. He has brought side by side for comparison and criticism the cataloguing theories of Cutter, Mann, Sharp, Quinn and the Anglo-American Code, criticised these wherever necessary and has given us a treatise worthy of a great librarian.—*The Times of India.*

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This is a substantial contribution to the technique of cataloguing ... The urgent need for the revision of the A.A. Code and Cutter's Rules is abundantly brought home ... It expounds all the fundamental principles in an original, learned and scientific manner.—*The Hindu.*

This somewhat difficult task he has accomplished with success. The realistic study which Rao Saheb Ranganathan has attempted in this book will prove of immense use to the librarians in general; the technicalities of the subject have been explained with great lucidity and with profuse illustrations. One cannot but read it with admiratio for the completion of a stupendous study of detail, and f an exposition always orderly and clear.—*The Modern Libr i.*

Of this prolific writer's books this is probably the most comprehensive with regard to its subject, and it is penetrating too, as the others have been. It will, we think, reward careful study—*Organization of knowledge in libraries* by Henry Evelyn Bliss.

Mr. Ranganathan has given us a most challenging, thought-provoking book, and Indian librarianship should count itself fortunate that it has among it a man of his ability and insight. It is one of those occasional professional books that are a delight to read and fascinating to ponder over.—*Library Association record.*

Recommended for purchase in all Colle es and public libraries by the Director of Public Instruction, Madras, in his Proceedings No. 3343 G-38 dated 24th January 1939.

Thompson & Co., Ltd., University Printers, Madras.